Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	01	Basic	0.249	0.200	0.274	0.245	0.248
	02	Simulation analysis	0.204	0.147	0.234	0.193	0.204
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	0.281	0.222	0.312	0.277	0.278
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	0.273	0.216	0.302	0.269	0.270
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	0.265	0.211	0.293	0.261	0.263
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	0.257	0.205	0.284	0.253	0.256
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	0.241	0.194	0.265	0.238	0.241
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	0.233	0.189	0.256	0.230	0.233
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	0.226	0.183	0.247	0.222	0.226
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	0.218	0.178	0.237	0.214	0.219
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	0.202	0.167	0.219	0.199	0.204
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.186	0.156	0.200	0.183	0.189
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	0.170	0.145	0.182	0.168	0.174
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	0.293	0.231	0.325	0.289	0.291
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	0.282	0.223	0.313	0.278	0.280
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	0.271	0.215	0.300	0.267	0.270
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	0.260	0.208	0.287	0.256	0.259
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	0.238	0.192	0.262	0.235	0.237
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	0.227	0.184	0.249	0.224	0.227
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	0.216	0.177	0.236	0.213	0.216
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	0.205	0.169	0.224	0.202	0.205
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.183	0.154	0.199	0.181	0.184
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	0.162	0.138	0.173	0.159	0.162
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.140	0.123	0.148	0.138	0.141
	04a	Effective dose for dual use (G) = 0.4	0.274	0.218	0.302	0.270	0.275
	04b	Effective dose for dual use (G) = 0.8	0.225	0.182	0.247	0.221	0.221
	04c	Effective dose for dual use (G) = 1.0	0.201	0.164	0.220	0.197	0.195
	04d	Effective dose for dual use (G) = 1.2	0.176	0.146	0.194	0.173	0.168
	04e	Effective dose for dual use (G) = 1.5	0.140	0.119	0.153	0.137	0.128
	04f	Effective dose for dual use (G) = 2.0	0.079	0.074	0.086	0.077	0.062
	05a	STP factor 1 = 1	0.250	0.200	0.276	0.246	0.248
	05b	STP factor 1 = 1.5	0.250	0.200	0.276	0.246	0.248
	05c	STP factor 1 = 2.5	0.247	0.198	0.272	0.243	0.246
	05d	STP factor 1 = 3	0.246	0.197	0.271	0.242	0.246
	05e	STP factor 1 = 2, factor 4 = 0.5	0.249	0.200	0.274	0.245	0.248
	05f	STP factor 1 = 2, factor 4 = 1	0.249	0.200	0.274	0.245	0.248
	05g	STP factor 1 = 2, factor 4 Ignored	0.249	0.200	0.275	0.246	0.248
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	0.251	0.200	0.277	0.246	0.248
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	0.249	0.200	0.274	0.245	0.248
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	0.249	0.200	0.275	0.246	0.248
	06a	STP factor 2 = 1	0.252	0.201	0.279	0.246	0.250
	06b	STP factor 2 = 1.5	0.245	0.194	0.273	0.238	0.239
	06c	STP factor 2 = 2.5	0.239	0.195	0.259	0.233	0.248
	06d	STP factor 2 = 3	0.232	0.190	0.251	0.230	0.242
	07a	STP factor 3 = 1	0.259	0.210	0.282	0.253	0.268
	07b	STP factor 3 = 1.5	0.260	0.209	0.285	0.252	0.266
	07c	STP factor 3 = 2.5	0.263	0.210	0.290	0.257	0.264
	07d	STP factor 3 = 3	0.251	0.202	0.275	0.246	0.252
	08a	Definition of short-term quitting (years) = 1	0.247	0.200	0.271	0.244	0.249
	08b	Definition of short-term quitting (years) = 3	0.256	0.201	0.286	0.251	0.245
	09a	Relative Risk: 20% reduction	0.235	0.226	0.241	0.209	0.252
	09b	Relative Risk: 20% increase	0.261	0.179	0.302	0.278	0.241
	09c	Relative Risk: From US Surgeon General 2014	0.295	0.112	0.395	0.460	0.084
	10a	Half Life: 20% reduction	0.311	0.270	0.333	0.292	0.316
	10b	Half Life: 20% increase	0.208	0.158	0.232	0.211	0.208

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	01	Basic	0.668	0.605	0.676	0.521	0.901
	02	Simulation analysis	0.609	0.472	0.688	0.511	0.629
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	0.778	0.691	0.801	0.608	1.013
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	0.751	0.669	0.769	0.586	0.985
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	0.723	0.648	0.738	0.564	0.957
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	0.696	0.626	0.707	0.542	0.929
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	0.641	0.583	0.645	0.499	0.873
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	0.614	0.562	0.614	0.477	0.845
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	0.587	0.540	0.583	0.455	0.818
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	0.559	0.519	0.552	0.433	0.790
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	0.505	0.476	0.490	0.390	0.734
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.451	0.434	0.429	0.347	0.679
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	0.397	0.392	0.368	0.303	0.624
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	0.810	0.718	0.835	0.632	1.051
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	0.775	0.690	0.795	0.604	1.013
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	0.739	0.661	0.755	0.576	0.976
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	0.704	0.633	0.716	0.548	0.939
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	0.633	0.576	0.636	0.493	0.864
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	0.598	0.548	0.597	0.465	0.827
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	0.563	0.520	0.557	0.437	0.790
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	0.528	0.492	0.518	0.410	0.753
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.458	0.437	0.439	0.354	0.679
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	0.388	0.381	0.361	0.299	0.605
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.319	0.326	0.283	0.244	0.532
	04a	Effective dose for dual use (G) = 0.4	0.732	0.658	0.745	0.568	0.976
	04b	Effective dose for dual use (G) = 0.8	0.605	0.551	0.608	0.473	0.827
	04c	Effective dose for dual use (G) = 1.0	0.542	0.498	0.539	0.425	0.752
	04d	Effective dose for dual use (G) = 1.2	0.479	0.445	0.471	0.378	0.678
	04e	Effective dose for dual use (G) = 1.5	0.386	0.367	0.370	0.307	0.568
	04f	Effective dose for dual use (G) = 2.0	0.230	0.237	0.201	0.188	0.385
	05a	STP factor 1 = 1	0.670	0.605	0.679	0.522	0.902
	05b	STP factor 1 = 1.5	0.670	0.605	0.679	0.522	0.902
	05c	STP factor 1 = 2.5	0.663	0.600	0.671	0.515	0.895
	05d	STP factor 1 = 3	0.657	0.595	0.664	0.509	0.889
	05e	STP factor 1 = 2, factor 4 = 0.5	0.669	0.605	0.677	0.521	0.902
	05f	STP factor 1 = 2, factor 4 = 1	0.669	0.606	0.675	0.521	0.903
	05g	STP factor 1 = 2, factor 4 Ignored	0.665	0.604	0.669	0.518	0.902
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	0.673	0.607	0.683	0.523	0.902
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	0.667	0.604	0.673	0.519	0.901
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	0.665	0.603	0.671	0.518	0.900
	06a	STP factor 2 = 1	0.714	0.646	0.722	0.551	0.967
	06b	STP factor 2 = 1.5	0.685	0.614	0.700	0.532	0.909
	06c	STP factor 2 = 2.5	0.636	0.581	0.637	0.498	0.871
	06d	STP factor 2 = 3	0.629	0.582	0.624	0.487	0.880
	07a	STP factor 3 = 1	0.692	0.629	0.700	0.538	0.929
	07b	STP factor 3 = 1.5	0.683	0.617	0.693	0.532	0.912
	07c	STP factor 3 = 2.5	0.690	0.618	0.705	0.541	0.912
	07d	STP factor 3 = 3	0.671	0.607	0.678	0.527	0.903
	08a	Definition of short-term quitting (years) = 1	0.664	0.604	0.670	0.514	0.902
	08b	Definition of short-term quitting (years) = 3	0.710	0.629	0.729	0.562	0.925
	09a	Relative Risk: 20% reduction	0.634	0.677	0.594	0.443	0.904
	09b	Relative Risk: 20% increase	0.695	0.544	0.744	0.589	0.883
	09c	Relative Risk: From US Surgeon General 2014	0.819	0.362	1.055	1.201	0.355
	10a	Half Life: 20% reduction	0.807	0.799	0.783	0.592	1.131
	10b	Half Life: 20% increase	0.572	0.483	0.594	0.463	0.759

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	01	Basic	1.063	0.903	1.151	0.804	1.250
	02	Simulation analysis	1.117	0.894	1.279	0.918	1.102
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	1.278	1.074	1.399	0.980	1.454
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	1.224	1.031	1.337	0.936	1.403
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	1.170	0.988	1.275	0.892	1.352
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	1.117	0.946	1.213	0.848	1.301
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	1.010	0.861	1.089	0.761	1.199
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	0.957	0.818	1.028	0.717	1.149
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	0.904	0.776	0.966	0.673	1.098
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	0.851	0.734	0.905	0.630	1.048
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	0.746	0.651	0.783	0.543	0.947
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.641	0.568	0.662	0.457	0.847
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	0.537	0.486	0.541	0.371	0.747
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	1.325	1.113	1.453	1.018	1.501
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	1.259	1.060	1.377	0.964	1.438
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	1.194	1.008	1.302	0.911	1.375
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	1.128	0.955	1.226	0.858	1.312
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	0.998	0.851	1.076	0.751	1.188
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	0.933	0.799	1.001	0.698	1.126
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	0.869	0.748	0.926	0.645	1.064
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	0.804	0.696	0.852	0.593	1.002
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.676	0.594	0.704	0.488	0.879
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	0.549	0.493	0.557	0.383	0.757
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.423	0.393	0.411	0.279	0.635
	04a	Effective dose for dual use (G) = 0.4	1.157	0.980	1.258	0.880	1.342
	04b	Effective dose for dual use (G) = 0.8	0.970	0.826	1.044	0.729	1.158
	04c	Effective dose for dual use (G) = 1.0	0.876	0.750	0.938	0.654	1.067
	04d	Effective dose for dual use (G) = 1.2	0.784	0.674	0.832	0.580	0.975
	04e	Effective dose for dual use (G) = 1.5	0.645	0.562	0.674	0.468	0.839
	04f	Effective dose for dual use (G) = 2.0	0.417	0.377	0.413	0.284	0.615
	05a	STP factor 1 = 1	1.068	0.906	1.157	0.808	1.252
	05b	STP factor 1 = 1.5	1.068	0.906	1.157	0.808	1.252
	05c	STP factor 1 = 2.5	1.056	0.895	1.146	0.802	1.236
	05d	STP factor 1 = 3	1.050	0.888	1.140	0.799	1.224
	05e	STP factor 1 = 2, factor 4 = 0.5	1.059	0.901	1.145	0.801	1.248
	05f	STP factor 1 = 2, factor 4 = 1	1.053	0.898	1.137	0.796	1.246
	05g	STP factor 1 = 2, factor 4 Ignored	1.041	0.890	1.119	0.786	1.239
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	1.073	0.910	1.163	0.812	1.255
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	1.055	0.896	1.141	0.796	1.242
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	1.049	0.892	1.135	0.792	1.238
	06a	STP factor 2 = 1	1.110	0.943	1.197	0.836	1.326
	06b	STP factor 2 = 1.5	1.085	0.919	1.175	0.815	1.285
	06c	STP factor 2 = 2.5	1.016	0.870	1.092	0.755	1.218
	06d	STP factor 2 = 3	0.995	0.851	1.071	0.747	1.186
	07a	STP factor 3 = 1	1.101	0.946	1.182	0.832	1.309
	07b	STP factor 3 = 1.5	1.087	0.931	1.170	0.818	1.289
	07c	STP factor 3 = 2.5	1.122	0.952	1.217	0.849	1.313
	07d	STP factor 3 = 3	1.098	0.936	1.184	0.834	1.298
	08a	Definition of short-term quitting (years) = 1	1.051	0.893	1.138	0.796	1.232
	08b	Definition of short-term quitting (years) = 3	1.123	0.949	1.222	0.849	1.307
	09a	Relative Risk: 20% reduction	1.018	1.009	1.028	0.698	1.250
	09b	Relative Risk: 20% increase	1.095	0.814	1.248	0.895	1.228
	09c	Relative Risk: From US Surgeon General 2014	1.194	0.585	1.634	1.504	0.504
	10a	Half Life: 20% reduction	1.234	1.143	1.274	0.898	1.522
	10b	Half Life: 20% increase	0.939	0.744	1.050	0.726	1.074

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	01	Basic	1.481	1.250	1.653	1.170	1.558
	02	Simulation analysis	1.578	1.332	1.776	1.270	1.593
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	1.796	1.520	2.009	1.419	1.871
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	1.717	1.452	1.919	1.356	1.793
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	1.638	1.384	1.830	1.294	1.714
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	1.559	1.317	1.742	1.232	1.636
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	1.403	1.183	1.565	1.108	1.480
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	1.325	1.117	1.477	1.046	1.403
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	1.247	1.051	1.390	0.984	1.326
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	1.170	0.986	1.303	0.923	1.249
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	1.017	0.856	1.129	0.800	1.096
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.864	0.728	0.957	0.678	0.943
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	0.713	0.601	0.786	0.556	0.792
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	1.867	1.581	2.088	1.477	1.944
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	1.770	1.497	1.979	1.400	1.847
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	1.673	1.414	1.870	1.323	1.750
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	1.577	1.332	1.761	1.246	1.654
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	1.385	1.168	1.546	1.093	1.462
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	1.290	1.088	1.439	1.017	1.367
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	1.195	1.007	1.332	0.942	1.273
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	1.101	0.928	1.226	0.866	1.178
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.914	0.770	1.015	0.716	0.990
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	0.729	0.614	0.806	0.566	0.804
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.545	0.460	0.598	0.417	0.619
	04a	Effective dose for dual use (G) = 0.4	1.621	1.370	1.810	1.284	1.702
	04b	Effective dose for dual use (G) = 0.8	1.341	1.131	1.498	1.056	1.415
	04c	Effective dose for dual use (G) = 1.0	1.203	1.014	1.344	0.942	1.273
	04d	Effective dose for dual use (G) = 1.2	1.066	0.897	1.191	0.830	1.132
	04e	Effective dose for dual use (G) = 1.5	0.862	0.725	0.963	0.662	0.923
	04f	Effective dose for dual use (G) = 2.0	0.527	0.445	0.589	0.385	0.578
	05a	STP factor 1 = 1	1.490	1.257	1.664	1.177	1.565
	05b	STP factor 1 = 1.5	1.489	1.256	1.663	1.176	1.564
	05c	STP factor 1 = 2.5	1.478	1.249	1.649	1.167	1.557
	05d	STP factor 1 = 3	1.476	1.247	1.646	1.166	1.555
	05e	STP factor 1 = 2, factor 4 = 0.5	1.472	1.247	1.639	1.161	1.557
	05f	STP factor 1 = 2, factor 4 = 1	1.455	1.235	1.617	1.145	1.547
	05g	STP factor 1 = 2, factor 4 Ignored	1.441	1.224	1.599	1.134	1.537
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	1.492	1.260	1.665	1.179	1.570
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	1.470	1.238	1.644	1.159	1.544
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	1.462	1.233	1.633	1.153	1.540
	06a	STP factor 2 = 1	1.527	1.293	1.696	1.196	1.639
	06b	STP factor 2 = 1.5	1.501	1.260	1.681	1.181	1.579
	06c	STP factor 2 = 2.5	1.380	1.158	1.551	1.086	1.436
	06d	STP factor 2 = 3	1.335	1.121	1.501	1.034	1.397
	07a	STP factor 3 = 1	1.520	1.308	1.671	1.177	1.654
	07b	STP factor 3 = 1.5	1.501	1.279	1.665	1.178	1.601
	07c	STP factor 3 = 2.5	1.562	1.318	1.744	1.243	1.641
	07d	STP factor 3 = 3	1.537	1.296	1.714	1.226	1.619
	08a	Definition of short-term quitting (years) = 1	1.476	1.251	1.642	1.169	1.558
	08b	Definition of short-term quitting (years) = 3	1.541	1.294	1.731	1.223	1.598
	09a	Relative Risk: 20% reduction	1.417	1.391	1.480	1.018	1.550
	09b	Relative Risk: 20% increase	1.524	1.130	1.788	1.297	1.536
	09c	Relative Risk: From US Surgeon General 2014	1.589	0.827	2.231	1.882	0.635
	10a	Half Life: 20% reduction	1.684	1.544	1.797	1.281	1.864
	10b	Half Life: 20% increase	1.330	1.050	1.532	1.073	1.357

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	01	Basic	0.606	0.521	0.640	0.488	0.739
	02	Simulation analysis	0.610	0.493	0.678	0.509	0.656
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	0.720	0.614	0.769	0.582	0.859
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	0.692	0.591	0.737	0.558	0.829
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	0.663	0.567	0.704	0.535	0.799
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	0.634	0.544	0.672	0.511	0.769
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	0.577	0.498	0.608	0.464	0.709
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	0.549	0.475	0.576	0.441	0.679
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	0.520	0.452	0.545	0.418	0.649
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	0.492	0.429	0.513	0.394	0.619
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	0.435	0.383	0.450	0.348	0.560
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.379	0.338	0.387	0.301	0.501
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	0.323	0.293	0.324	0.255	0.442
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	0.749	0.638	0.800	0.605	0.891
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	0.713	0.609	0.760	0.576	0.853
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	0.677	0.579	0.720	0.546	0.815
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	0.641	0.550	0.680	0.517	0.777
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	0.570	0.492	0.601	0.459	0.701
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	0.534	0.463	0.561	0.429	0.663
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	0.499	0.434	0.521	0.400	0.626
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	0.464	0.406	0.482	0.371	0.588
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.393	0.349	0.404	0.314	0.513
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	0.324	0.292	0.326	0.256	0.439
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.254	0.237	0.248	0.199	0.364
	04a	Effective dose for dual use (G) = 0.4	0.662	0.568	0.703	0.534	0.802
	04b	Effective dose for dual use (G) = 0.8	0.549	0.474	0.578	0.442	0.676
	04c	Effective dose for dual use (G) = 1.0	0.493	0.427	0.516	0.396	0.613
	04d	Effective dose for dual use (G) = 1.2	0.437	0.381	0.455	0.350	0.550
	04e	Effective dose for dual use (G) = 1.5	0.353	0.312	0.363	0.282	0.457
	04f	Effective dose for dual use (G) = 2.0	0.215	0.199	0.212	0.168	0.303
	05a	STP factor 1 = 1	0.608	0.522	0.643	0.490	0.740
	05b	STP factor 1 = 1.5	0.608	0.522	0.643	0.490	0.740
	05c	STP factor 1 = 2.5	0.602	0.518	0.637	0.485	0.733
	05d	STP factor 1 = 3	0.598	0.514	0.633	0.482	0.728
	05e	STP factor 1 = 2, factor 4 = 0.5	0.604	0.520	0.638	0.487	0.739
	05f	STP factor 1 = 2, factor 4 = 1	0.601	0.518	0.634	0.484	0.737
	05g	STP factor 1 = 2, factor 4 Ignored	0.596	0.515	0.627	0.480	0.735
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	0.610	0.524	0.646	0.491	0.741
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	0.602	0.518	0.636	0.485	0.735
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	0.600	0.517	0.633	0.483	0.734
	06a	STP factor 2 = 1	0.636	0.547	0.671	0.509	0.785
	06b	STP factor 2 = 1.5	0.616	0.527	0.654	0.493	0.750
	06c	STP factor 2 = 2.5	0.576	0.500	0.605	0.461	0.717
	06d	STP factor 2 = 3	0.566	0.492	0.592	0.451	0.709
	07a	STP factor 3 = 1	0.625	0.543	0.656	0.501	0.774
	07b	STP factor 3 = 1.5	0.619	0.535	0.653	0.497	0.759
	07c	STP factor 3 = 2.5	0.635	0.545	0.673	0.513	0.770
	07d	STP factor 3 = 3	0.621	0.536	0.654	0.502	0.763
	08a	Definition of short-term quitting (years) = 1	0.600	0.518	0.633	0.483	0.734
	08b	Definition of short-term quitting (years) = 3	0.638	0.542	0.681	0.516	0.762
	09a	Relative Risk: 20% reduction	0.577	0.582	0.569	0.421	0.739
	09b	Relative Risk: 20% increase	0.626	0.469	0.697	0.546	0.725
	09c	Relative Risk: From US Surgeon General 2014	0.690	0.327	0.915	0.917	0.292
	10a	Half Life: 20% reduction	0.713	0.667	0.723	0.550	0.906
	10b	Half Life: 20% increase	0.529	0.426	0.575	0.437	0.633

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	1	Basic	0.249	0.200	0.274	0.245	0.248
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	0.249	0.200	0.274	0.245	0.248
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	0.250	0.200	0.276	0.247	0.248
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	0.232	0.187	0.257	0.226	0.227
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	0.306	0.240	0.340	0.297	0.306
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	0.248	0.200	0.273	0.244	0.248
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	0.248	0.199	0.272	0.243	0.248
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	0.247	0.199	0.270	0.242	0.247
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	0.248	0.200	0.272	0.244	0.248
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	0.245	0.199	0.268	0.240	0.247
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	0.242	0.199	0.264	0.237	0.246
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	0.238	0.198	0.257	0.231	0.245
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.226	0.195	0.239	0.216	0.241
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	0.217	0.174	0.239	0.216	0.212
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	0.188	0.161	0.198	0.190	0.202
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	0.155	0.133	0.165	0.156	0.156
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	0.021	0.025	0.025	0.018	-0.004
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-0.689	-0.489	-0.785	-0.676	-0.705
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-1.563	-1.129	-1.764	-1.522	-1.649
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	0.247	0.199	0.272	0.244	0.247
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	0.248	0.199	0.272	0.245	0.248
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	0.253	0.203	0.278	0.249	0.254
	13d	Multiply MRTP Quitting MRTP, Dual by 2	0.253	0.203	0.278	0.249	0.254
	13e	Multiply MRTP Quitting CC Only by 0.0	-0.198	-0.105	-0.254	-0.181	-0.170
	13f	Multiply MRTP Quitting CC Only by 0.25	-0.109	-0.057	-0.135	-0.093	-0.122
	13g	Multiply MRTP Quitting CC Only by 0.5	0.010	0.032	-0.004	0.028	0.002
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	0.217	0.180	0.235	0.220	0.215
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.142	0.118	0.156	0.150	0.126
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.090	0.081	0.098	0.104	0.063
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	0.223	0.184	0.242	0.227	0.217
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	0.529	0.366	0.635	0.488	0.445
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	0.794	0.519	0.979	0.739	0.615
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	0.242	0.195	0.266	0.241	0.237
	14e	Multiply Switching to Dual Pcd, Pmd by 5	0.304	0.240	0.337	0.301	0.300
	14f	Multiply Switching to Dual Pcd, Pmd by 10	0.345	0.263	0.392	0.329	0.329
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	0.250	0.200	0.276	0.246	0.248
	14h	Multiply Switching to CC Pmc, Pdc by 5	0.245	0.198	0.267	0.242	0.250
	14i	Multiply Switching to CC Pmc, Pdc by 10	0.239	0.194	0.260	0.234	0.244
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	0.229	0.188	0.248	0.231	0.225
	14k	Multiply Switching from CC Pcm, Pcd by 5	0.542	0.373	0.651	0.505	0.452
	14l	Multiply Switching from CC Pcm, Pcd by 10	0.819	0.532	1.011	0.769	0.630
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	0.251	0.200	0.277	0.247	0.248
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	0.241	0.194	0.264	0.238	0.242
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	0.236	0.190	0.258	0.231	0.238
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	0.249	0.200	0.274	0.245	0.248
	14q	Multiply Switching from Dual Pdc, Pdm by 5	0.252	0.202	0.277	0.248	0.254
	14r	Multiply Switching from Dual Pdc, Pdm by 10	0.253	0.203	0.277	0.249	0.254
	14s	Multiply Switching to CC Pmc, Pdc by 20	0.237	0.193	0.258	0.233	0.244
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.227	0.187	0.246	0.223	0.236
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.188	0.160	0.200	0.184	0.199
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.162	0.138	0.175	0.160	0.160
	15	Adjustment for population size	0.248	0.196	0.274	0.245	0.246

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	1	Basic	0.668	0.605	0.676	0.521	0.901
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	0.663	0.603	0.668	0.514	0.899
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	0.673	0.606	0.682	0.525	0.903
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	0.556	0.504	0.560	0.430	0.755
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	0.849	0.754	0.872	0.669	1.109
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	0.663	0.603	0.667	0.514	0.900
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	0.658	0.602	0.660	0.509	0.898
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	0.652	0.600	0.651	0.503	0.897
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	0.657	0.602	0.659	0.506	0.897
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	0.644	0.598	0.641	0.492	0.893
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	0.630	0.594	0.620	0.473	0.887
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	0.609	0.588	0.590	0.449	0.881
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.557	0.573	0.516	0.382	0.862
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	0.587	0.536	0.587	0.454	0.812
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	0.477	0.456	0.456	0.358	0.723
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	0.396	0.378	0.380	0.298	0.596
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	0.120	0.118	0.102	0.101	0.219
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-1.480	-1.183	-1.652	-1.213	-1.573
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-3.098	-2.464	-3.423	-2.529	-3.476
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	0.645	0.585	0.652	0.500	0.871
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	0.661	0.600	0.666	0.514	0.896
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	0.690	0.623	0.699	0.538	0.926
	13d	Multiply MRTP Quitting MRTP, Dual by 2	0.701	0.631	0.711	0.547	0.936
	13e	Multiply MRTP Quitting CC Only by 0.0	-0.760	-0.475	-0.967	-0.679	-0.501
	13f	Multiply MRTP Quitting CC Only by 0.25	-0.398	-0.223	-0.530	-0.375	-0.190
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.008	0.093	-0.104	-0.051	0.249
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	0.573	0.546	0.555	0.442	0.832
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.415	0.408	0.388	0.311	0.642
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.304	0.322	0.262	0.228	0.521
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	0.579	0.550	0.562	0.444	0.836
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	1.475	1.130	1.700	1.204	1.436
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	2.354	1.752	2.786	1.879	2.105
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	0.659	0.598	0.666	0.511	0.892
	14e	Multiply Switching to Dual Pcd, Pmd by 5	0.781	0.700	0.799	0.610	1.022
	14f	Multiply Switching to Dual Pcd, Pmd by 10	0.885	0.760	0.938	0.707	1.068
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	0.672	0.607	0.681	0.523	0.905
	14h	Multiply Switching to CC Pmc, Pdc by 5	0.639	0.586	0.641	0.490	0.878
	14i	Multiply Switching to CC Pmc, Pdc by 10	0.602	0.559	0.597	0.458	0.841
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	0.582	0.554	0.565	0.449	0.842
	14k	Multiply Switching from CC Pcm, Pcd by 5	1.500	1.146	1.730	1.220	1.466
	14l	Multiply Switching from CC Pcm, Pcd by 10	2.393	1.792	2.825	1.904	2.158
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	0.673	0.607	0.683	0.524	0.902
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	0.635	0.580	0.637	0.487	0.871
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	0.597	0.549	0.596	0.459	0.823
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	0.669	0.606	0.676	0.522	0.904
	14q	Multiply Switching from Dual Pdc, Pdm by 5	0.673	0.607	0.684	0.524	0.901
	14r	Multiply Switching from Dual Pdc, Pdm by 10	0.674	0.611	0.682	0.524	0.904
	14s	Multiply Switching to CC Pmc, Pdc by 20	0.583	0.543	0.577	0.444	0.816
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.518	0.491	0.504	0.390	0.753
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.382	0.387	0.346	0.284	0.623
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.301	0.317	0.262	0.219	0.516
	15	Adjustment for population size	0.658	0.581	0.671	0.518	0.883

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	1	Basic	1.063	0.903	1.151	0.804	1.250
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	1.045	0.897	1.124	0.782	1.244
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	1.079	0.908	1.174	0.823	1.255
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	0.869	0.729	0.950	0.652	1.009
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	1.367	1.169	1.479	1.026	1.602
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	1.046	0.896	1.125	0.785	1.245
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	1.031	0.891	1.102	0.768	1.240
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	1.011	0.884	1.072	0.745	1.234
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	1.024	0.890	1.094	0.754	1.236
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	0.982	0.875	1.031	0.701	1.222
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	0.924	0.858	0.947	0.622	1.201
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	0.862	0.836	0.857	0.542	1.179
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.719	0.785	0.652	0.349	1.126
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	0.936	0.791	1.013	0.702	1.114
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	0.740	0.616	0.803	0.570	0.880
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	0.639	0.521	0.705	0.486	0.745
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	0.249	0.188	0.272	0.166	0.343
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-2.004	-1.728	-2.184	-1.572	-2.211
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-4.013	-3.334	-4.409	-3.140	-4.540
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	1.008	0.854	1.094	0.763	1.181
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	1.037	0.881	1.121	0.782	1.222
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	1.115	0.947	1.209	0.849	1.303
	13d	Multiply MRTP Quitting MRTP, Dual by 2	1.152	0.979	1.248	0.877	1.349
	13e	Multiply MRTP Quitting CC Only by 0.0	-1.637	-1.227	-1.969	-1.414	-1.375
	13f	Multiply MRTP Quitting CC Only by 0.25	-0.926	-0.694	-1.124	-0.803	-0.740
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.221	-0.135	-0.319	-0.235	-0.012
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	0.870	0.759	0.916	0.645	1.093
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.628	0.539	0.660	0.467	0.803
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.444	0.403	0.435	0.315	0.657
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	0.860	0.751	0.904	0.631	1.088
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	2.612	2.127	3.001	2.022	2.572
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	4.275	3.434	5.032	3.362	3.812
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	1.043	0.881	1.136	0.795	1.209
	14e	Multiply Switching to Dual Pcd, Pmd by 5	1.226	1.051	1.325	0.920	1.438
	14f	Multiply Switching to Dual Pcd, Pmd by 10	1.422	1.217	1.545	1.078	1.631
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	1.077	0.914	1.167	0.815	1.261
	14h	Multiply Switching to CC Pmc, Pdc by 5	0.969	0.819	1.052	0.733	1.132
	14i	Multiply Switching to CC Pmc, Pdc by 10	0.896	0.761	0.969	0.677	1.058
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	0.853	0.752	0.889	0.621	1.095
	14k	Multiply Switching from CC Pcm, Pcd by 5	2.617	2.122	3.020	2.026	2.546
	14l	Multiply Switching from CC Pcm, Pcd by 10	4.326	3.476	5.093	3.387	3.867
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	1.074	0.911	1.166	0.813	1.256
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	0.981	0.827	1.069	0.748	1.138
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	0.916	0.781	0.986	0.692	1.092
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	1.071	0.911	1.158	0.810	1.259
	14q	Multiply Switching from Dual Pdc, Pdm by 5	1.061	0.898	1.154	0.802	1.237
	14r	Multiply Switching from Dual Pdc, Pdm by 10	1.089	0.929	1.177	0.829	1.279
	14s	Multiply Switching to CC Pmc, Pdc by 20	0.878	0.757	0.937	0.661	1.057
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.731	0.643	0.763	0.533	0.934
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.472	0.444	0.456	0.316	0.707
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.353	0.351	0.316	0.223	0.596
	15	Adjustment for population size	1.034	0.841	1.140	0.798	1.199

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	1	Basic	1.481	1.250	1.653	1.170	1.558
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	1.436	1.234	1.587	1.111	1.543
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	1.513	1.262	1.700	1.215	1.571
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	1.248	1.027	1.415	1.019	1.262
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	1.873	1.614	2.070	1.468	1.993
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	1.449	1.235	1.606	1.133	1.547
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	1.414	1.220	1.555	1.095	1.535
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	1.371	1.203	1.492	1.039	1.520
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	1.385	1.214	1.516	1.038	1.520
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	1.294	1.175	1.385	0.921	1.485
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	1.179	1.133	1.220	0.752	1.439
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	1.059	1.082	1.049	0.593	1.391
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.793	0.969	0.672	0.234	1.284
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	1.314	1.089	1.478	1.058	1.365
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	1.132	0.922	1.281	0.937	1.164
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	0.987	0.780	1.139	0.838	0.969
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	0.464	0.287	0.605	0.449	0.335
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-2.125	-2.002	-2.176	-1.454	-2.677
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-4.262	-3.742	-4.554	-3.142	-5.065
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	1.405	1.184	1.571	1.107	1.478
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	1.444	1.217	1.613	1.140	1.520
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	1.573	1.334	1.750	1.241	1.669
	13d	Multiply MRTP Quitting MRTP, Dual by 2	1.637	1.388	1.820	1.289	1.737
	13e	Multiply MRTP Quitting CC Only by 0.0	-2.380	-1.935	-2.728	-1.975	-2.337
	13f	Multiply MRTP Quitting CC Only by 0.25	-1.283	-1.055	-1.478	-1.048	-1.221
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.312	-0.263	-0.374	-0.271	-0.221
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	1.208	1.034	1.320	0.942	1.348
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.918	0.770	1.010	0.726	1.026
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.640	0.533	0.692	0.505	0.764
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	1.181	0.999	1.306	0.922	1.288
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	3.646	3.105	4.180	2.864	3.442
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	5.884	5.165	6.722	4.518	5.419
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	1.469	1.236	1.647	1.168	1.528
	14e	Multiply Switching to Dual Pcd, Pmd by 5	1.657	1.415	1.841	1.285	1.766
	14f	Multiply Switching to Dual Pcd, Pmd by 10	1.872	1.612	2.086	1.445	1.950
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	1.509	1.273	1.686	1.192	1.585
	14h	Multiply Switching to CC Pmc, Pdc by 5	1.352	1.144	1.508	1.056	1.436
	14i	Multiply Switching to CC Pmc, Pdc by 10	1.232	1.043	1.371	0.955	1.317
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	1.173	1.000	1.288	0.918	1.295
	14k	Multiply Switching from CC Pcm, Pcd by 5	3.653	3.109	4.197	2.884	3.411
	14l	Multiply Switching from CC Pcm, Pcd by 10	5.950	5.229	6.785	4.519	5.545
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	1.499	1.266	1.674	1.185	1.575
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	1.362	1.149	1.521	1.064	1.440
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	1.247	1.060	1.382	0.970	1.347
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	1.499	1.267	1.673	1.183	1.580
	14q	Multiply Switching from Dual Pdc, Pdm by 5	1.494	1.258	1.673	1.181	1.561
	14r	Multiply Switching from Dual Pdc, Pdm by 10	1.522	1.294	1.691	1.187	1.624
	14s	Multiply Switching to CC Pmc, Pdc by 20	1.185	1.021	1.300	0.904	1.311
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.925	0.799	1.015	0.690	1.027
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.587	0.516	0.624	0.428	0.712
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.398	0.364	0.407	0.266	0.530
	15	Adjustment for population size	1.437	1.159	1.636	1.160	1.486

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	1	Basic	0.606	0.521	0.640	0.488	0.739
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	0.595	0.517	0.625	0.475	0.735
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	0.614	0.523	0.652	0.498	0.742
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	0.503	0.426	0.538	0.408	0.597
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	0.774	0.667	0.820	0.619	0.941
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	0.597	0.518	0.627	0.478	0.736
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	0.589	0.515	0.616	0.470	0.733
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	0.578	0.511	0.601	0.457	0.730
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	0.584	0.514	0.610	0.460	0.730
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	0.561	0.506	0.578	0.432	0.721
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	0.533	0.497	0.538	0.393	0.709
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	0.499	0.484	0.490	0.352	0.696
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.422	0.456	0.383	0.251	0.665
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	0.531	0.455	0.561	0.429	0.653
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	0.435	0.375	0.455	0.357	0.547
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	0.366	0.309	0.390	0.302	0.443
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	0.123	0.091	0.139	0.108	0.136
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-1.215	-1.026	-1.306	-0.975	-1.436
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-2.518	-2.054	-2.731	-2.065	-2.978
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	0.579	0.498	0.613	0.467	0.705
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	0.593	0.510	0.626	0.477	0.725
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	0.633	0.545	0.669	0.510	0.773
	13d	Multiply MRTP Quitting MRTP, Dual by 2	0.650	0.560	0.686	0.523	0.794
	13e	Multiply MRTP Quitting CC Only by 0.0	-0.848	-0.631	-0.995	-0.721	-0.792
	13f	Multiply MRTP Quitting CC Only by 0.25	-0.471	-0.350	-0.557	-0.397	-0.426
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.091	-0.042	-0.138	-0.085	0.005
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	0.509	0.451	0.523	0.408	0.658
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.361	0.317	0.371	0.291	0.473
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.252	0.233	0.244	0.202	0.367
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	0.508	0.449	0.524	0.406	0.654
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	1.443	1.166	1.633	1.162	1.463
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	2.315	1.853	2.671	1.851	2.187
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	0.598	0.513	0.635	0.484	0.723
	14e	Multiply Switching to Dual Pcd, Pmd by 5	0.706	0.610	0.747	0.566	0.857
	14f	Multiply Switching to Dual Pcd, Pmd by 10	0.806	0.687	0.867	0.647	0.939
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	0.612	0.526	0.647	0.493	0.745
	14h	Multiply Switching to CC Pmc, Pdc by 5	0.566	0.488	0.598	0.454	0.695
	14i	Multiply Switching to CC Pmc, Pdc by 10	0.526	0.456	0.552	0.421	0.652
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	0.507	0.450	0.521	0.405	0.657
	14k	Multiply Switching from CC Pcm, Pcd by 5	1.453	1.168	1.652	1.171	1.456
	14l	Multiply Switching from CC Pcm, Pcd by 10	2.354	1.886	2.714	1.875	2.234
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	0.611	0.524	0.647	0.492	0.742
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	0.567	0.487	0.601	0.456	0.691
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	0.529	0.458	0.556	0.425	0.656
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	0.609	0.524	0.643	0.490	0.744
	14q	Multiply Switching from Dual Pdc, Pdm by 5	0.610	0.523	0.646	0.490	0.740
	14r	Multiply Switching from Dual Pdc, Pdm by 10	0.617	0.533	0.652	0.497	0.754
	14s	Multiply Switching to CC Pmc, Pdc by 20	0.512	0.448	0.534	0.410	0.642
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.434	0.385	0.447	0.343	0.561
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.299	0.280	0.291	0.232	0.433
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.228	0.222	0.213	0.174	0.352
	15	Adjustment for population size	0.592	0.491	0.635	0.485	0.714

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	1	Basic	0.249	0.200	0.274	0.245	0.248
	16a	All smokers become quitters	6.060	3.699	7.875	4.988	4.060
	16b	All CC smokers become MRTP	4.588	2.844	5.893	3.893	3.180
	16c	Whole population become MRTP	1.293	0.662	1.797	1.108	0.573
	16d	CC only switchers become quitters	2.686	1.622	3.456	2.351	1.861
	17a	Alternative 1: LLLL	0.915	0.598	1.126	0.852	0.719
	17b	Alternative 2: LLLS	0.905	0.591	1.115	0.843	0.708
	17c	Alternative 3: LLSL	0.833	0.545	1.024	0.773	0.655
	17d	Alternative 4: LLSS	0.820	0.536	1.009	0.759	0.644
	17e	Alternative 5: LSLL	0.234	0.188	0.258	0.233	0.225
	17f	Alternative 6: LSLS	0.229	0.185	0.253	0.229	0.218
	17g	Alternative 7: LSSL	0.220	0.176	0.246	0.223	0.201
	17h	Alternative 8: LSSS	0.214	0.172	0.237	0.216	0.196
	17i	Alternative 9: SLLL	0.560	0.379	0.678	0.528	0.452
	17j	Alternative 10: SLLS	0.521	0.352	0.634	0.491	0.413
	17k	Alternative 11: SLSL	0.512	0.350	0.617	0.478	0.422
	17l	Alternative 12: SLSS	0.473	0.321	0.575	0.443	0.376
	17o	Alternative 13: SSLL	0.163	0.140	0.176	0.164	0.157
	17p	Alternative 14: SSLS	0.151	0.130	0.165	0.154	0.137
	17q	Alternative 15: SSSL	0.154	0.130	0.167	0.157	0.139
	17r	Alternative 16: SSSS	0.142	0.122	0.154	0.147	0.124
	18a	Alternative 1: LLLL	0.350	0.260	0.403	0.339	0.321
	18b	Alternative 2: LLLS	0.344	0.256	0.395	0.333	0.313
	18c	Alternative 3: LLSL	0.340	0.253	0.391	0.331	0.309
	18d	Alternative 4: LLSS	0.335	0.250	0.385	0.326	0.305
	18e	Alternative 5: LSLL	0.234	0.188	0.258	0.233	0.225
	18f	Alternative 6: LSLS	0.229	0.185	0.253	0.229	0.218
	18g	Alternative 7: LSSL	0.230	0.185	0.254	0.230	0.218
	18h	Alternative 8: LSSS	0.226	0.183	0.250	0.227	0.215
	18i	Alternative 9: SLLL	0.267	0.209	0.299	0.260	0.256
	18j	Alternative 10: SLLS	0.254	0.199	0.286	0.248	0.238
	18k	Alternative 11: SLSL	0.257	0.202	0.288	0.252	0.245
	18l	Alternative 12: SLSS	0.247	0.195	0.277	0.243	0.233
	18o	Alternative 13: SSLL	0.181	0.152	0.197	0.181	0.174
	18p	Alternative 14: SSLS	0.171	0.143	0.187	0.173	0.157
	18q	Alternative 15: SSSL	0.177	0.149	0.192	0.179	0.167
	18r	Alternative 16: SSSS	0.169	0.143	0.184	0.173	0.156
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	0.191	0.155	0.211	0.190	0.176
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.130	0.108	0.146	0.131	0.104
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	0.089	0.094	0.082	0.096	0.105
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.010	0.025	-0.036	0.002	0.022
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.080	-0.031	-0.110	-0.060	-0.072

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	1	Basic	0.668	0.605	0.676	0.521	0.901
	16a	All smokers become quitters	11.636	9.410	13.898	8.407	9.148
	16b	All CC smokers become MRTP	8.627	6.876	10.243	6.449	7.060
	16c	Whole population become MRTP	2.412	1.645	3.048	2.034	1.516
	16d	CC only switchers become quitters	7.134	5.242	8.733	5.430	5.487
	17a	Alternative 1: LLLL	2.742	2.040	3.252	2.180	2.435
	17b	Alternative 2: LLLS	2.675	1.986	3.176	2.129	2.369
	17c	Alternative 3: LLSL	2.404	1.784	2.854	1.907	2.135
	17d	Alternative 4: LLSS	2.320	1.719	2.757	1.839	2.060
	17e	Alternative 5: LSLL	0.614	0.571	0.610	0.465	0.860
	17f	Alternative 6: LSLS	0.580	0.542	0.573	0.439	0.818
	17g	Alternative 7: LSSL	0.565	0.539	0.550	0.424	0.812
	17h	Alternative 8: LSSS	0.523	0.507	0.502	0.391	0.774
	17i	Alternative 9: SLLL	1.676	1.286	1.943	1.336	1.597
	17j	Alternative 10: SLLS	1.441	1.098	1.679	1.145	1.358
	17k	Alternative 11: SLSL	1.468	1.124	1.705	1.168	1.398
	17l	Alternative 12: SLSS	1.243	0.950	1.447	0.978	1.179
	17o	Alternative 13: SSLL	0.411	0.413	0.378	0.307	0.650
	17p	Alternative 14: SSLS	0.340	0.352	0.302	0.252	0.561
	17q	Alternative 15: SSSL	0.381	0.396	0.341	0.280	0.622
	17r	Alternative 16: SSSS	0.307	0.335	0.258	0.220	0.544
	18a	Alternative 1: LLLL	0.972	0.821	1.045	0.758	1.150
	18b	Alternative 2: LLLS	0.921	0.779	0.990	0.719	1.092
	18c	Alternative 3: LLSL	0.950	0.804	1.021	0.736	1.129
	18d	Alternative 4: LLSS	0.898	0.762	0.963	0.696	1.073
	18e	Alternative 5: LSLL	0.614	0.571	0.610	0.465	0.860
	18f	Alternative 6: LSLS	0.580	0.542	0.573	0.439	0.818
	18g	Alternative 7: LSSL	0.611	0.570	0.604	0.462	0.859
	18h	Alternative 8: LSSS	0.571	0.538	0.560	0.432	0.815
	18i	Alternative 9: SLLL	0.713	0.632	0.736	0.553	0.920
	18j	Alternative 10: SLLS	0.620	0.556	0.635	0.479	0.816
	18k	Alternative 11: SLSL	0.695	0.619	0.717	0.536	0.904
	18l	Alternative 12: SLSS	0.600	0.543	0.610	0.457	0.803
	18o	Alternative 13: SSLL	0.462	0.452	0.436	0.346	0.702
	18p	Alternative 14: SSLS	0.399	0.399	0.370	0.298	0.625
	18q	Alternative 15: SSSL	0.460	0.453	0.432	0.344	0.703
	18r	Alternative 16: SSSS	0.392	0.397	0.357	0.291	0.628
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	0.535	0.495	0.529	0.421	0.752
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.359	0.343	0.343	0.285	0.525
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	0.167	0.212	0.108	0.116	0.383
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.112	-0.009	-0.207	-0.127	0.111
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.263	-0.127	-0.376	-0.251	-0.051

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	1	Basic	1.063	0.903	1.151	0.804	1.250
	16a	All smokers become quitters	16.820	17.126	18.355	11.312	14.861
	16b	All CC smokers become MRTP	12.194	11.713	13.490	8.566	11.167
	16c	Whole population become MRTP	3.315	2.794	3.855	2.597	2.886
	16d	CC only switchers become quitters	11.944	10.549	13.900	8.597	10.021
	17a	Alternative 1: LLLL	5.040	4.097	5.911	3.931	4.507
	17b	Alternative 2: LLLS	4.873	3.954	5.719	3.803	4.355
	17c	Alternative 3: LLSL	4.351	3.502	5.121	3.439	3.859
	17d	Alternative 4: LLSS	4.150	3.323	4.899	3.281	3.659
	17e	Alternative 5: LSLL	0.918	0.778	0.990	0.687	1.101
	17f	Alternative 6: LSLS	0.826	0.702	0.888	0.612	1.000
	17g	Alternative 7: LSSL	0.790	0.683	0.837	0.583	0.982
	17h	Alternative 8: LSSS	0.679	0.593	0.711	0.487	0.879
	17i	Alternative 9: SLLL	3.089	2.502	3.581	2.463	2.891
	17j	Alternative 10: SLLS	2.446	1.969	2.847	1.944	2.279
	17k	Alternative 11: SLSL	2.663	2.136	3.103	2.148	2.458
	17l	Alternative 12: SLSS	2.065	1.638	2.427	1.663	1.866
	17o	Alternative 13: SSLL	0.565	0.500	0.581	0.397	0.763
	17p	Alternative 14: SSLS	0.371	0.344	0.363	0.233	0.558
	17q	Alternative 15: SSSL	0.486	0.442	0.486	0.337	0.684
	17r	Alternative 16: SSSS	0.284	0.277	0.259	0.159	0.482
	18a	Alternative 1: LLLL	1.638	1.344	1.847	1.274	1.717
	18b	Alternative 2: LLLS	1.518	1.250	1.707	1.177	1.602
	18c	Alternative 3: LLSL	1.601	1.308	1.812	1.250	1.663
	18d	Alternative 4: LLSS	1.472	1.208	1.660	1.144	1.545
	18e	Alternative 5: LSLL	0.918	0.778	0.990	0.687	1.101
	18f	Alternative 6: LSLS	0.826	0.702	0.888	0.612	1.000
	18g	Alternative 7: LSSL	0.900	0.765	0.969	0.672	1.086
	18h	Alternative 8: LSSS	0.796	0.683	0.850	0.586	0.983
	18i	Alternative 9: SLLL	1.161	0.982	1.271	0.884	1.317
	18j	Alternative 10: SLLS	0.919	0.790	0.993	0.681	1.080
	18k	Alternative 11: SLSL	1.135	0.954	1.249	0.870	1.274
	18l	Alternative 12: SLSS	0.881	0.752	0.956	0.656	1.025
	18o	Alternative 13: SSLL	0.652	0.569	0.682	0.469	0.847
	18p	Alternative 14: SSLS	0.483	0.432	0.493	0.327	0.668
	18q	Alternative 15: SSSL	0.642	0.562	0.668	0.461	0.839
	18r	Alternative 16: SSSS	0.456	0.414	0.456	0.302	0.652
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	0.831	0.717	0.883	0.608	1.036
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.576	0.509	0.593	0.395	0.780
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	0.222	0.219	0.189	0.115	0.431
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.207	-0.164	-0.264	-0.188	-0.094
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.446	-0.376	-0.513	-0.363	-0.401

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	1	Basic	1.481	1.250	1.653	1.170	1.558
	16a	All smokers become quitters	20.472	24.536	20.245	12.848	19.379
	16b	All CC smokers become MRTP	14.560	15.939	14.949	9.729	14.290
	16c	Whole population become MRTP	3.743	3.552	4.081	2.799	3.667
	16d	CC only switchers become quitters	15.082	15.629	16.286	10.285	13.604
	17a	Alternative 1: LLLL	7.027	6.271	7.975	5.324	6.512
	17b	Alternative 2: LLLS	6.762	6.029	7.673	5.142	6.268
	17c	Alternative 3: LLSL	6.033	5.338	6.861	4.635	5.582
	17d	Alternative 4: LLSS	5.738	5.056	6.540	4.431	5.285
	17e	Alternative 5: LSLL	1.294	1.079	1.450	1.019	1.374
	17f	Alternative 6: LSLS	1.153	0.962	1.290	0.899	1.234
	17g	Alternative 7: LSSL	1.060	0.901	1.167	0.807	1.180
	17h	Alternative 8: LSSS	0.889	0.756	0.977	0.671	0.998
	17i	Alternative 9: SLLL	4.289	3.759	4.827	3.313	4.185
	17j	Alternative 10: SLLS	3.212	2.793	3.637	2.504	3.091
	17k	Alternative 11: SLSL	3.694	3.210	4.179	2.902	3.551
	17l	Alternative 12: SLSS	2.734	2.360	3.109	2.157	2.599
	17o	Alternative 13: SSLL	0.802	0.671	0.885	0.620	0.897
	17p	Alternative 14: SSLS	0.475	0.402	0.519	0.346	0.561
	17q	Alternative 15: SSSL	0.644	0.559	0.688	0.468	0.783
	17r	Alternative 16: SSSS	0.323	0.284	0.337	0.213	0.424
	18a	Alternative 1: LLLL	2.355	1.968	2.686	1.866	2.321
	18b	Alternative 2: LLLS	2.160	1.806	2.462	1.707	2.136
	18c	Alternative 3: LLSL	2.308	1.932	2.628	1.826	2.286
	18d	Alternative 4: LLSS	2.091	1.752	2.381	1.649	2.075
	18e	Alternative 5: LSLL	1.294	1.079	1.450	1.019	1.374
	18f	Alternative 6: LSLS	1.153	0.962	1.290	0.899	1.234
	18g	Alternative 7: LSSL	1.256	1.053	1.401	0.982	1.346
	18h	Alternative 8: LSSS	1.096	0.922	1.218	0.849	1.188
	18i	Alternative 9: SLLL	1.670	1.407	1.877	1.314	1.728
	18j	Alternative 10: SLLS	1.247	1.056	1.397	0.968	1.307
	18k	Alternative 11: SLSL	1.641	1.384	1.840	1.291	1.705
	18l	Alternative 12: SLSS	1.195	1.012	1.338	0.926	1.256
	18o	Alternative 13: SSLL	0.924	0.772	1.025	0.719	1.016
	18p	Alternative 14: SSLS	0.643	0.540	0.709	0.483	0.728
	18q	Alternative 15: SSSL	0.898	0.758	0.988	0.691	1.006
	18r	Alternative 16: SSSS	0.595	0.505	0.650	0.442	0.686
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	1.119	0.935	1.254	0.892	1.179
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.749	0.618	0.839	0.597	0.804
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	0.304	0.239	0.332	0.245	0.372
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.165	-0.176	-0.178	-0.084	-0.158
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.443	-0.428	-0.461	-0.299	-0.517

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	1	Basic	0.606	0.521	0.640	0.488	0.739
	16a	All smokers become quitters	10.412	9.719	11.693	7.368	9.139
	16b	All CC smokers become MRTP	7.630	6.767	8.644	5.638	6.913
	16c	Whole population become MRTP	2.086	1.584	2.523	1.701	1.625
	16d	CC only switchers become quitters	6.655	5.692	7.695	4.940	5.788
	17a	Alternative 1: LLLL	2.725	2.204	3.134	2.161	2.584
	17b	Alternative 2: LLLS	2.644	2.133	3.043	2.100	2.502
	17c	Alternative 3: LLSL	2.369	1.897	2.734	1.895	2.227
	17d	Alternative 4: LLSS	2.271	1.811	2.627	1.821	2.125
	17e	Alternative 5: LSLL	0.545	0.470	0.573	0.436	0.677
	17f	Alternative 6: LSLS	0.500	0.432	0.526	0.399	0.623
	17g	Alternative 7: LSSL	0.479	0.420	0.498	0.381	0.610
	17h	Alternative 8: LSSS	0.426	0.377	0.439	0.336	0.554
	17i	Alternative 9: SLLL	1.658	1.343	1.881	1.338	1.653
	17j	Alternative 10: SLLS	1.343	1.074	1.537	1.088	1.313
	17k	Alternative 11: SLSL	1.440	1.155	1.643	1.172	1.412
	17l	Alternative 12: SLSS	1.148	0.909	1.323	0.938	1.098
	17o	Alternative 13: SSLL	0.347	0.313	0.350	0.272	0.470
	17p	Alternative 14: SSLS	0.250	0.231	0.246	0.192	0.352
	17q	Alternative 15: SSSL	0.305	0.283	0.302	0.237	0.427
	17r	Alternative 16: SSSS	0.207	0.200	0.196	0.155	0.315
	18a	Alternative 1: LLLL	0.925	0.766	1.017	0.749	1.025
	18b	Alternative 2: LLLS	0.865	0.716	0.951	0.700	0.958
	18c	Alternative 3: LLSL	0.906	0.749	0.997	0.733	1.001
	18d	Alternative 4: LLSS	0.842	0.697	0.925	0.681	0.932
	18e	Alternative 5: LSLL	0.545	0.470	0.573	0.436	0.677
	18f	Alternative 6: LSLS	0.500	0.432	0.526	0.399	0.623
	18g	Alternative 7: LSSL	0.536	0.464	0.562	0.427	0.670
	18h	Alternative 8: LSSS	0.487	0.424	0.508	0.387	0.614
	18i	Alternative 9: SLLL	0.663	0.566	0.709	0.533	0.784
	18j	Alternative 10: SLLS	0.542	0.465	0.576	0.434	0.648
	18k	Alternative 11: SLSL	0.649	0.553	0.694	0.522	0.767
	18l	Alternative 12: SLSS	0.522	0.448	0.556	0.418	0.625
	18o	Alternative 13: SSLL	0.396	0.352	0.405	0.312	0.521
	18p	Alternative 14: SSLS	0.312	0.281	0.316	0.243	0.419
	18q	Alternative 15: SSSL	0.390	0.348	0.397	0.307	0.518
	18r	Alternative 16: SSSS	0.300	0.274	0.300	0.233	0.414
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	0.473	0.411	0.494	0.381	0.594
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.317	0.280	0.325	0.255	0.410
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	0.137	0.141	0.117	0.107	0.242
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.100	-0.062	-0.139	-0.080	-0.037
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.241	-0.184	-0.284	-0.192	-0.223

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	01	Basic	0.060	0.046	0.073	0.062	0.038
	02	Simulation analysis	0.130	0.142	0.118	0.107	0.171
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	0.087	0.076	0.099	0.085	0.072
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	0.080	0.069	0.092	0.079	0.064
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	0.073	0.061	0.086	0.074	0.055
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	0.067	0.053	0.080	0.068	0.046
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	0.053	0.038	0.067	0.056	0.029
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	0.046	0.031	0.061	0.051	0.020
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	0.039	0.023	0.055	0.045	0.012
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	0.032	0.016	0.048	0.039	0.003
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	0.019	0.001	0.036	0.028	-0.014
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.005	-0.015	0.023	0.016	-0.032
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	-0.009	-0.030	0.011	0.004	-0.049
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	0.093	0.083	0.104	0.090	0.081
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	0.085	0.074	0.096	0.083	0.070
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	0.076	0.064	0.089	0.076	0.059
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	0.068	0.055	0.081	0.069	0.048
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	0.051	0.037	0.066	0.055	0.027
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	0.043	0.027	0.058	0.048	0.016
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	0.035	0.018	0.051	0.042	0.005
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	0.026	0.009	0.043	0.035	-0.005
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.010	-0.010	0.028	0.021	-0.027
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	-0.007	-0.028	0.013	0.007	-0.048
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	-0.023	-0.047	-0.002	-0.006	-0.070
	04a	Effective dose for dual use (G) = 0.4	0.071	0.060	0.084	0.071	0.054
	04b	Effective dose for dual use (G) = 0.8	0.048	0.032	0.063	0.053	0.021
	04c	Effective dose for dual use (G) = 1.0	0.036	0.019	0.053	0.045	0.004
	04d	Effective dose for dual use (G) = 1.2	0.024	0.005	0.043	0.036	-0.012
	04e	Effective dose for dual use (G) = 1.5	0.007	-0.015	0.027	0.023	-0.037
	04f	Effective dose for dual use (G) = 2.0	-0.022	-0.049	0.002	0.001	-0.078
	05a	STP factor 1 = 1	0.060	0.046	0.074	0.062	0.038
	05b	STP factor 1 = 1.5	0.061	0.047	0.074	0.063	0.039
	05c	STP factor 1 = 2.5	0.060	0.046	0.074	0.062	0.038
	05d	STP factor 1 = 3	0.059	0.045	0.073	0.062	0.037
	05e	STP factor 1 = 2, factor 4 = 0.5	0.060	0.046	0.074	0.062	0.038
	05f	STP factor 1 = 2, factor 4 = 1	0.060	0.046	0.074	0.062	0.038
	05g	STP factor 1 = 2, factor 4 Ignored	0.059	0.044	0.073	0.062	0.035
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	0.061	0.047	0.074	0.063	0.039
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	0.059	0.044	0.073	0.062	0.035
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	0.059	0.044	0.073	0.062	0.035
	06a	STP factor 2 = 1	0.064	0.050	0.079	0.064	0.043
	06b	STP factor 2 = 1.5	0.063	0.050	0.077	0.063	0.043
	06c	STP factor 2 = 2.5	0.058	0.044	0.072	0.059	0.036
	06d	STP factor 2 = 3	0.060	0.047	0.074	0.061	0.038
	07a	STP factor 3 = 1	0.056	0.043	0.070	0.059	0.035
	07b	STP factor 3 = 1.5	0.057	0.043	0.072	0.061	0.033
	07c	STP factor 3 = 2.5	0.060	0.045	0.075	0.065	0.032
	07d	STP factor 3 = 3	0.060	0.044	0.076	0.069	0.030
	08a	Definition of short-term quitting (years) = 1	0.060	0.047	0.073	0.062	0.039
	08b	Definition of short-term quitting (years) = 3	0.056	0.041	0.070	0.059	0.033
	09a	Relative Risk: 20% reduction	0.057	0.051	0.067	0.056	0.037
	09b	Relative Risk: 20% increase	0.062	0.042	0.078	0.067	0.038
	09c	Relative Risk: From US Surgeon General 2014	0.063	0.036	0.088	0.073	0.016
	10a	Half Life: 20% reduction	0.071	0.058	0.085	0.074	0.045
	10b	Half Life: 20% increase	0.052	0.038	0.064	0.054	0.033

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	01	Basic	0.246	0.206	0.307	0.256	0.132
	02	Simulation analysis	0.444	0.471	0.421	0.353	0.555
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	0.337	0.307	0.393	0.325	0.249
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	0.314	0.281	0.372	0.308	0.220
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	0.292	0.256	0.350	0.291	0.190
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	0.269	0.231	0.329	0.273	0.161
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	0.223	0.181	0.286	0.239	0.103
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	0.200	0.156	0.265	0.221	0.074
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	0.177	0.131	0.243	0.204	0.045
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	0.155	0.106	0.222	0.187	0.016
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	0.109	0.056	0.180	0.153	-0.042
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.064	0.007	0.137	0.118	-0.100
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	0.019	-0.043	0.095	0.084	-0.157
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	0.355	0.324	0.410	0.339	0.268
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	0.327	0.295	0.384	0.319	0.234
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	0.300	0.265	0.359	0.298	0.200
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	0.273	0.235	0.333	0.277	0.166
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	0.219	0.177	0.282	0.235	0.098
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	0.192	0.147	0.256	0.214	0.065
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	0.165	0.118	0.231	0.194	0.031
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	0.138	0.089	0.205	0.173	-0.003
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.084	0.030	0.154	0.131	-0.070
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	0.030	-0.028	0.104	0.090	-0.137
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	-0.023	-0.085	0.053	0.049	-0.204
	04a	Effective dose for dual use (G) = 0.4	0.280	0.241	0.342	0.284	0.170
	04b	Effective dose for dual use (G) = 0.8	0.212	0.171	0.273	0.228	0.095
	04c	Effective dose for dual use (G) = 1.0	0.178	0.136	0.239	0.199	0.057
	04d	Effective dose for dual use (G) = 1.2	0.144	0.101	0.205	0.171	0.020
	04e	Effective dose for dual use (G) = 1.5	0.093	0.049	0.154	0.128	-0.036
	04f	Effective dose for dual use (G) = 2.0	0.009	-0.037	0.070	0.058	-0.129
	05a	STP factor 1 = 1	0.249	0.209	0.310	0.259	0.137
	05b	STP factor 1 = 1.5	0.251	0.212	0.311	0.261	0.140
	05c	STP factor 1 = 2.5	0.246	0.207	0.308	0.257	0.133
	05d	STP factor 1 = 3	0.243	0.203	0.305	0.253	0.128
	05e	STP factor 1 = 2, factor 4 = 0.5	0.246	0.206	0.308	0.256	0.132
	05f	STP factor 1 = 2, factor 4 = 1	0.244	0.203	0.306	0.254	0.129
	05g	STP factor 1 = 2, factor 4 Ignored	0.241	0.200	0.303	0.252	0.127
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	0.251	0.212	0.311	0.261	0.140
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	0.242	0.201	0.305	0.254	0.128
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	0.242	0.201	0.304	0.253	0.127
	06a	STP factor 2 = 1	0.248	0.199	0.322	0.265	0.107
	06b	STP factor 2 = 1.5	0.234	0.185	0.309	0.255	0.091
	06c	STP factor 2 = 2.5	0.236	0.191	0.303	0.251	0.108
	06d	STP factor 2 = 3	0.249	0.210	0.312	0.255	0.131
	07a	STP factor 3 = 1	0.238	0.198	0.301	0.248	0.122
	07b	STP factor 3 = 1.5	0.245	0.206	0.305	0.252	0.135
	07c	STP factor 3 = 2.5	0.263	0.228	0.320	0.268	0.161
	07d	STP factor 3 = 3	0.280	0.250	0.331	0.275	0.195
	08a	Definition of short-term quitting (years) = 1	0.247	0.207	0.310	0.257	0.133
	08b	Definition of short-term quitting (years) = 3	0.255	0.214	0.316	0.266	0.142
	09a	Relative Risk: 20% reduction	0.234	0.228	0.281	0.228	0.129
	09b	Relative Risk: 20% increase	0.253	0.187	0.326	0.277	0.132
	09c	Relative Risk: From US Surgeon General 2014	0.248	0.172	0.356	0.268	0.054
	10a	Half Life: 20% reduction	0.281	0.255	0.338	0.295	0.157
	10b	Half Life: 20% increase	0.220	0.175	0.282	0.226	0.116

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	01	Basic	0.803	0.788	0.894	0.749	0.685
	02	Simulation analysis	0.882	0.915	0.874	0.670	1.018
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	0.970	0.964	1.060	0.874	0.873
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	0.928	0.920	1.018	0.843	0.826
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	0.887	0.876	0.977	0.812	0.779
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	0.845	0.832	0.935	0.780	0.732
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	0.762	0.744	0.853	0.718	0.639
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	0.721	0.701	0.811	0.687	0.592
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	0.679	0.658	0.770	0.656	0.546
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	0.638	0.614	0.729	0.625	0.499
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	0.556	0.528	0.647	0.563	0.407
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.475	0.443	0.566	0.501	0.315
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	0.393	0.358	0.485	0.440	0.223
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	1.009	1.004	1.098	0.904	0.916
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	0.957	0.950	1.047	0.865	0.858
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	0.906	0.896	0.996	0.827	0.800
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	0.855	0.842	0.945	0.788	0.743
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	0.752	0.734	0.843	0.711	0.628
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	0.702	0.681	0.793	0.672	0.571
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	0.651	0.628	0.742	0.634	0.514
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	0.601	0.575	0.692	0.595	0.457
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.500	0.470	0.591	0.518	0.343
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	0.400	0.366	0.492	0.442	0.230
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.300	0.263	0.392	0.366	0.117
	04a	Effective dose for dual use (G) = 0.4	0.880	0.867	0.970	0.809	0.771
	04b	Effective dose for dual use (G) = 0.8	0.727	0.709	0.818	0.690	0.600
	04c	Effective dose for dual use (G) = 1.0	0.652	0.630	0.743	0.630	0.514
	04d	Effective dose for dual use (G) = 1.2	0.576	0.552	0.668	0.571	0.429
	04e	Effective dose for dual use (G) = 1.5	0.464	0.436	0.557	0.482	0.301
	04f	Effective dose for dual use (G) = 2.0	0.278	0.245	0.372	0.335	0.091
	05a	STP factor 1 = 1	0.811	0.797	0.900	0.753	0.698
	05b	STP factor 1 = 1.5	0.813	0.800	0.901	0.753	0.704
	05c	STP factor 1 = 2.5	0.802	0.788	0.892	0.747	0.686
	05d	STP factor 1 = 3	0.794	0.778	0.885	0.742	0.673
	05e	STP factor 1 = 2, factor 4 = 0.5	0.801	0.786	0.891	0.747	0.683
	05f	STP factor 1 = 2, factor 4 = 1	0.785	0.768	0.877	0.736	0.662
	05g	STP factor 1 = 2, factor 4 Ignored	0.767	0.749	0.859	0.721	0.642
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	0.817	0.803	0.905	0.756	0.706
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	0.790	0.773	0.883	0.740	0.668
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	0.788	0.772	0.880	0.737	0.666
	06a	STP factor 2 = 1	0.829	0.806	0.936	0.787	0.678
	06b	STP factor 2 = 1.5	0.802	0.779	0.908	0.762	0.654
	06c	STP factor 2 = 2.5	0.764	0.747	0.856	0.717	0.637
	06d	STP factor 2 = 3	0.764	0.746	0.864	0.715	0.629
	07a	STP factor 3 = 1	0.793	0.777	0.883	0.744	0.674
	07b	STP factor 3 = 1.5	0.784	0.767	0.876	0.735	0.664
	07c	STP factor 3 = 2.5	0.835	0.830	0.908	0.759	0.756
	07d	STP factor 3 = 3	0.846	0.842	0.915	0.762	0.777
	08a	Definition of short-term quitting (years) = 1	0.802	0.788	0.891	0.746	0.688
	08b	Definition of short-term quitting (years) = 3	0.811	0.790	0.908	0.764	0.679
	09a	Relative Risk: 20% reduction	0.767	0.865	0.792	0.649	0.669
	09b	Relative Risk: 20% increase	0.829	0.719	0.975	0.834	0.687
	09c	Relative Risk: From US Surgeon General 2014	0.843	0.585	1.233	1.071	0.248
	10a	Half Life: 20% reduction	0.929	0.975	0.984	0.840	0.823
	10b	Half Life: 20% increase	0.714	0.666	0.821	0.675	0.597

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	01	Basic	1.656	1.739	1.678	1.309	1.740
	02	Simulation analysis	1.243	1.284	1.279	0.989	1.303
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	1.900	2.004	1.922	1.489	2.000
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	1.839	1.938	1.861	1.444	1.935
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	1.778	1.871	1.800	1.399	1.870
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	1.717	1.805	1.739	1.354	1.805
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	1.595	1.674	1.618	1.264	1.675
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	1.535	1.609	1.557	1.219	1.611
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	1.475	1.544	1.497	1.174	1.546
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	1.415	1.480	1.437	1.129	1.482
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	1.295	1.352	1.317	1.040	1.354
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	1.177	1.225	1.198	0.952	1.227
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	1.059	1.100	1.080	0.863	1.100
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	1.956	2.063	1.978	1.531	2.061
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	1.881	1.982	1.903	1.475	1.980
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	1.805	1.900	1.828	1.419	1.900
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	1.731	1.820	1.753	1.364	1.820
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	1.582	1.660	1.604	1.253	1.661
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	1.508	1.580	1.530	1.198	1.581
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	1.434	1.502	1.456	1.144	1.502
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	1.361	1.423	1.383	1.089	1.423
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	1.215	1.268	1.237	0.980	1.266
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	1.070	1.114	1.092	0.872	1.110
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.927	0.962	0.947	0.764	0.955
	04a	Effective dose for dual use (G) = 0.4	1.766	1.856	1.788	1.391	1.860
	04b	Effective dose for dual use (G) = 0.8	1.547	1.624	1.569	1.227	1.621
	04c	Effective dose for dual use (G) = 1.0	1.438	1.510	1.460	1.146	1.503
	04d	Effective dose for dual use (G) = 1.2	1.331	1.397	1.352	1.065	1.385
	04e	Effective dose for dual use (G) = 1.5	1.171	1.229	1.191	0.945	1.209
	04f	Effective dose for dual use (G) = 2.0	0.907	0.954	0.927	0.746	0.919
	05a	STP factor 1 = 1	1.658	1.742	1.681	1.310	1.742
	05b	STP factor 1 = 1.5	1.659	1.742	1.682	1.311	1.741
	05c	STP factor 1 = 2.5	1.650	1.735	1.671	1.302	1.737
	05d	STP factor 1 = 3	1.645	1.730	1.663	1.297	1.734
	05e	STP factor 1 = 2, factor 4 = 0.5	1.643	1.727	1.663	1.295	1.729
	05f	STP factor 1 = 2, factor 4 = 1	1.621	1.704	1.642	1.279	1.704
	05g	STP factor 1 = 2, factor 4 Ignored	1.594	1.673	1.616	1.261	1.675
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	1.660	1.744	1.682	1.310	1.744
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	1.639	1.721	1.664	1.296	1.718
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	1.632	1.713	1.656	1.288	1.712
	06a	STP factor 2 = 1	1.769	1.853	1.790	1.401	1.868
	06b	STP factor 2 = 1.5	1.687	1.761	1.730	1.354	1.740
	06c	STP factor 2 = 2.5	1.594	1.668	1.628	1.282	1.646
	06d	STP factor 2 = 3	1.582	1.659	1.614	1.259	1.642
	07a	STP factor 3 = 1	1.644	1.728	1.665	1.304	1.724
	07b	STP factor 3 = 1.5	1.641	1.722	1.665	1.298	1.721
	07c	STP factor 3 = 2.5	1.678	1.765	1.686	1.313	1.792
	07d	STP factor 3 = 3	1.673	1.757	1.687	1.316	1.774
	08a	Definition of short-term quitting (years) = 1	1.651	1.733	1.678	1.307	1.729
	08b	Definition of short-term quitting (years) = 3	1.681	1.762	1.707	1.330	1.763
	09a	Relative Risk: 20% reduction	1.592	1.897	1.469	1.124	1.687
	09b	Relative Risk: 20% increase	1.699	1.596	1.851	1.469	1.753
	09c	Relative Risk: From US Surgeon General 2014	1.730	1.264	2.558	2.207	0.708
	10a	Half Life: 20% reduction	1.901	2.120	1.814	1.423	2.064
	10b	Half Life: 20% increase	1.479	1.480	1.563	1.207	1.525

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	01	Basic	0.421	0.460	0.422	0.356	0.420
	02	Simulation analysis	0.474	0.535	0.429	0.354	0.610
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	0.515	0.568	0.507	0.424	0.541
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	0.491	0.541	0.485	0.407	0.511
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	0.467	0.514	0.464	0.390	0.480
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	0.444	0.487	0.443	0.373	0.450
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	0.397	0.433	0.401	0.339	0.390
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	0.374	0.406	0.380	0.322	0.361
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	0.351	0.379	0.359	0.305	0.331
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	0.327	0.353	0.338	0.288	0.301
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	0.281	0.300	0.296	0.254	0.241
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.235	0.247	0.254	0.220	0.182
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	0.189	0.194	0.213	0.187	0.123
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	0.535	0.591	0.525	0.439	0.566
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	0.506	0.558	0.499	0.418	0.529
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	0.477	0.525	0.473	0.397	0.493
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	0.449	0.492	0.448	0.377	0.457
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	0.392	0.427	0.396	0.335	0.384
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	0.364	0.395	0.371	0.314	0.348
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	0.336	0.362	0.345	0.294	0.312
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	0.308	0.330	0.320	0.273	0.276
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.252	0.266	0.269	0.232	0.205
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	0.196	0.203	0.218	0.191	0.133
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.140	0.140	0.168	0.150	0.062
	04a	Effective dose for dual use (G) = 0.4	0.461	0.505	0.458	0.386	0.470
	04b	Effective dose for dual use (G) = 0.8	0.381	0.415	0.385	0.326	0.371
	04c	Effective dose for dual use (G) = 1.0	0.341	0.370	0.349	0.296	0.321
	04d	Effective dose for dual use (G) = 1.2	0.302	0.325	0.313	0.266	0.272
	04e	Effective dose for dual use (G) = 1.5	0.243	0.259	0.259	0.222	0.198
	04f	Effective dose for dual use (G) = 2.0	0.146	0.150	0.169	0.148	0.076
	05a	STP factor 1 = 1	0.423	0.462	0.423	0.357	0.424
	05b	STP factor 1 = 1.5	0.424	0.464	0.424	0.358	0.426
	05c	STP factor 1 = 2.5	0.420	0.459	0.421	0.355	0.420
	05d	STP factor 1 = 3	0.416	0.455	0.418	0.352	0.416
	05e	STP factor 1 = 2, factor 4 = 0.5	0.419	0.458	0.420	0.354	0.419
	05f	STP factor 1 = 2, factor 4 = 1	0.413	0.450	0.415	0.350	0.409
	05g	STP factor 1 = 2, factor 4 Ignored	0.405	0.440	0.409	0.344	0.398
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	0.425	0.465	0.425	0.359	0.427
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	0.415	0.453	0.418	0.353	0.412
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	0.414	0.451	0.417	0.351	0.411
	06a	STP factor 2 = 1	0.437	0.473	0.444	0.375	0.424
	06b	STP factor 2 = 1.5	0.421	0.456	0.430	0.362	0.403
	06c	STP factor 2 = 2.5	0.408	0.444	0.411	0.347	0.401
	06d	STP factor 2 = 3	0.411	0.448	0.415	0.346	0.407
	07a	STP factor 3 = 1	0.414	0.452	0.416	0.352	0.411
	07b	STP factor 3 = 1.5	0.414	0.451	0.416	0.351	0.411
	07c	STP factor 3 = 2.5	0.434	0.477	0.430	0.362	0.449
	07d	STP factor 3 = 3	0.439	0.483	0.433	0.365	0.458
	08a	Definition of short-term quitting (years) = 1	0.420	0.460	0.421	0.355	0.421
	08b	Definition of short-term quitting (years) = 3	0.425	0.462	0.428	0.362	0.421
	09a	Relative Risk: 20% reduction	0.402	0.503	0.375	0.309	0.409
	09b	Relative Risk: 20% increase	0.433	0.421	0.459	0.395	0.422
	09c	Relative Risk: From US Surgeon General 2014	0.435	0.343	0.576	0.492	0.159
	10a	Half Life: 20% reduction	0.484	0.564	0.462	0.398	0.501
	10b	Half Life: 20% increase	0.375	0.390	0.389	0.321	0.368

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	1	Basic	0.060	0.046	0.073	0.062	0.038
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	0.059	0.046	0.072	0.061	0.037
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	0.060	0.046	0.074	0.063	0.038
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	0.011	-0.010	0.031	0.023	-0.028
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	0.107	0.103	0.110	0.098	0.111
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	0.059	0.046	0.073	0.061	0.037
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	0.059	0.046	0.072	0.061	0.037
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	0.057	0.045	0.070	0.058	0.036
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	0.058	0.045	0.072	0.060	0.037
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	0.056	0.045	0.069	0.057	0.036
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	0.052	0.043	0.064	0.049	0.034
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	0.048	0.041	0.059	0.044	0.032
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.035	0.036	0.043	0.021	0.026
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	0.026	0.006	0.045	0.036	-0.012
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	0.003	-0.021	0.024	0.020	-0.045
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	-0.053	-0.085	-0.025	-0.025	-0.117
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	-0.151	-0.206	-0.101	-0.092	-0.276
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-0.791	-0.940	-0.660	-0.590	-1.174
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-1.389	-1.586	-1.218	-1.082	-1.938
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	0.059	0.045	0.073	0.061	0.037
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	0.059	0.045	0.073	0.062	0.037
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	0.061	0.047	0.075	0.063	0.038
	13d	Multiply MRTP Quitting MRTP, Dual by 2	0.062	0.048	0.075	0.064	0.039
	13e	Multiply MRTP Quitting CC Only by 0.0	-0.286	-0.308	-0.272	-0.245	-0.338
	13f	Multiply MRTP Quitting CC Only by 0.25	-0.184	-0.197	-0.175	-0.163	-0.214
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.105	-0.116	-0.096	-0.094	-0.127
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	0.021	0.005	0.036	0.028	-0.008
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	-0.001	-0.015	0.013	0.006	-0.027
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	-0.027	-0.037	-0.017	-0.023	-0.043
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	0.027	0.013	0.041	0.031	0.003
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	0.222	0.208	0.239	0.214	0.204
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	0.481	0.475	0.504	0.450	0.458
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	0.060	0.046	0.074	0.062	0.037
	14e	Multiply Switching to Dual Pcd, Pmd by 5	0.032	0.007	0.055	0.046	-0.013
	14f	Multiply Switching to Dual Pcd, Pmd by 10	0.063	0.042	0.084	0.068	0.027
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	0.060	0.046	0.074	0.062	0.038
	14h	Multiply Switching to CC Pmc, Pdc by 5	0.045	0.030	0.060	0.048	0.019
	14i	Multiply Switching to CC Pmc, Pdc by 10	0.041	0.026	0.057	0.045	0.014
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	0.020	0.002	0.036	0.029	-0.014
	14k	Multiply Switching from CC Pcm, Pcd by 5	0.242	0.232	0.258	0.230	0.225
	14l	Multiply Switching from CC Pcm, Pcd by 10	0.507	0.495	0.537	0.478	0.471
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	0.060	0.046	0.074	0.062	0.038
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	0.046	0.030	0.061	0.048	0.019
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	0.037	0.021	0.052	0.041	0.011
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	0.060	0.046	0.073	0.062	0.038
	14q	Multiply Switching from Dual Pdc, Pdm by 5	0.060	0.046	0.073	0.062	0.038
	14r	Multiply Switching from Dual Pdc, Pdm by 10	0.061	0.047	0.074	0.063	0.039
	14s	Multiply Switching to CC Pmc, Pdc by 20	0.042	0.026	0.058	0.046	0.015
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.023	0.005	0.041	0.030	-0.011
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.005	-0.018	0.027	0.018	-0.041
	14v	Multiply Switching to CC Pmc, Pdc by 150	-0.007	-0.030	0.015	0.006	-0.053
	15	Adjustment for population size	0.060	0.046	0.073	0.062	0.037

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	1	Basic	0.246	0.206	0.307	0.256	0.132
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	0.240	0.203	0.301	0.248	0.130
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	0.250	0.208	0.313	0.263	0.134
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	0.117	0.058	0.196	0.166	-0.053
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	0.371	0.357	0.410	0.334	0.324
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	0.242	0.204	0.303	0.250	0.131
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	0.240	0.203	0.300	0.247	0.129
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	0.234	0.199	0.293	0.238	0.127
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	0.238	0.201	0.298	0.243	0.128
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	0.230	0.197	0.289	0.230	0.124
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	0.211	0.185	0.266	0.198	0.115
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	0.197	0.177	0.251	0.175	0.108
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.138	0.143	0.182	0.076	0.078
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	0.145	0.093	0.221	0.184	-0.012
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	0.116	0.057	0.193	0.166	-0.049
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	-0.028	-0.108	0.070	0.069	-0.262
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	-0.235	-0.345	-0.112	-0.073	-0.554
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-1.537	-1.778	-1.310	-0.989	-2.320
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-2.702	-2.985	-2.439	-1.877	-3.789
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	0.234	0.194	0.297	0.245	0.116
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	0.242	0.203	0.304	0.253	0.128
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	0.259	0.221	0.320	0.267	0.148
	13d	Multiply MRTP Quitting MRTP, Dual by 2	0.270	0.233	0.330	0.275	0.163
	13e	Multiply MRTP Quitting CC Only by 0.0	-0.951	-1.031	-0.894	-0.734	-1.198
	13f	Multiply MRTP Quitting CC Only by 0.25	-0.667	-0.744	-0.611	-0.493	-0.869
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.416	-0.484	-0.361	-0.285	-0.587
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	0.133	0.087	0.192	0.171	0.011
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.014	-0.035	0.073	0.070	-0.126
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	-0.120	-0.184	-0.054	-0.031	-0.285
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	0.144	0.100	0.199	0.178	0.029
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	0.801	0.769	0.897	0.741	0.658
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	1.575	1.626	1.660	1.355	1.492
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	0.250	0.207	0.313	0.263	0.134
	14e	Multiply Switching to Dual Pcd, Pmd by 5	0.269	0.211	0.352	0.299	0.107
	14f	Multiply Switching to Dual Pcd, Pmd by 10	0.339	0.279	0.434	0.363	0.156
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	0.252	0.213	0.312	0.261	0.141
	14h	Multiply Switching to CC Pmc, Pdc by 5	0.199	0.148	0.272	0.234	0.046
	14i	Multiply Switching to CC Pmc, Pdc by 10	0.171	0.116	0.250	0.214	0.002
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	0.126	0.085	0.178	0.160	0.016
	14k	Multiply Switching from CC Pcm, Pcd by 5	0.860	0.847	0.944	0.784	0.735
	14l	Multiply Switching from CC Pcm, Pcd by 10	1.654	1.698	1.759	1.421	1.542
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	0.249	0.209	0.310	0.259	0.137
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	0.201	0.153	0.272	0.233	0.058
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	0.162	0.111	0.236	0.199	0.008
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	0.248	0.209	0.309	0.257	0.136
	14q	Multiply Switching from Dual Pdc, Pdm by 5	0.243	0.201	0.307	0.257	0.121
	14r	Multiply Switching from Dual Pdc, Pdm by 10	0.243	0.201	0.308	0.257	0.121
	14s	Multiply Switching to CC Pmc, Pdc by 20	0.155	0.098	0.236	0.199	-0.019
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.091	0.033	0.172	0.146	-0.092
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.005	-0.059	0.093	0.074	-0.200
	14v	Multiply Switching to CC Pmc, Pdc by 150	-0.034	-0.101	0.052	0.041	-0.238
	15	Adjustment for population size	0.246	0.206	0.307	0.256	0.133

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	1	Basic	0.803	0.788	0.894	0.749	0.685
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	0.781	0.775	0.864	0.716	0.675
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	0.821	0.799	0.917	0.776	0.694
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	0.604	0.563	0.718	0.621	0.422
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	1.015	1.015	1.100	0.903	0.932
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	0.790	0.780	0.876	0.728	0.679
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	0.780	0.774	0.863	0.713	0.673
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	0.760	0.761	0.837	0.683	0.663
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	0.770	0.769	0.851	0.694	0.665
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	0.740	0.752	0.816	0.645	0.647
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	0.675	0.711	0.734	0.538	0.612
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	0.635	0.684	0.686	0.471	0.589
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.475	0.576	0.492	0.210	0.503
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	0.653	0.624	0.751	0.647	0.502
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	0.612	0.582	0.708	0.619	0.457
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	0.433	0.372	0.563	0.521	0.187
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	0.101	0.018	0.246	0.283	-0.214
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-1.708	-1.892	-1.498	-0.957	-2.459
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-3.378	-3.576	-3.142	-2.142	-4.545
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	0.766	0.748	0.862	0.722	0.636
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	0.788	0.772	0.879	0.736	0.666
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	0.840	0.827	0.927	0.776	0.731
	13d	Multiply MRTP Quitting MRTP, Dual by 2	0.860	0.846	0.951	0.794	0.748
	13e	Multiply MRTP Quitting CC Only by 0.0	-1.715	-1.801	-1.642	-1.202	-2.141
	13f	Multiply MRTP Quitting CC Only by 0.25	-1.112	-1.189	-1.054	-0.758	-1.401
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.565	-0.637	-0.493	-0.323	-0.799
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	0.575	0.553	0.646	0.560	0.476
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.339	0.301	0.419	0.387	0.195
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.095	0.043	0.174	0.193	-0.067
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	0.589	0.569	0.661	0.565	0.491
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	2.044	2.119	2.152	1.696	1.990
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	3.565	3.858	3.611	2.740	3.700
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	0.808	0.792	0.901	0.750	0.690
	14e	Multiply Switching to Dual Pcd, Pmd by 5	0.910	0.884	1.039	0.867	0.719
	14f	Multiply Switching to Dual Pcd, Pmd by 10	1.081	1.069	1.209	0.990	0.910
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	0.814	0.800	0.904	0.757	0.700
	14h	Multiply Switching to CC Pmc, Pdc by 5	0.769	0.758	0.850	0.716	0.665
	14i	Multiply Switching to CC Pmc, Pdc by 10	0.703	0.688	0.790	0.664	0.578
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	0.544	0.524	0.611	0.525	0.452
	14k	Multiply Switching from CC Pcm, Pcd by 5	2.142	2.246	2.220	1.725	2.164
	14l	Multiply Switching from CC Pcm, Pcd by 10	3.644	3.947	3.714	2.798	3.729
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	0.813	0.798	0.903	0.755	0.699
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	0.762	0.750	0.843	0.711	0.654
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	0.691	0.671	0.782	0.669	0.551
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	0.804	0.789	0.894	0.749	0.686
	14q	Multiply Switching from Dual Pdc, Pdm by 5	0.811	0.797	0.902	0.754	0.695
	14r	Multiply Switching from Dual Pdc, Pdm by 10	0.800	0.787	0.887	0.740	0.691
	14s	Multiply Switching to CC Pmc, Pdc by 20	0.661	0.645	0.750	0.632	0.527
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.536	0.525	0.607	0.529	0.414
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.357	0.333	0.447	0.393	0.180
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.260	0.230	0.348	0.323	0.074
	15	Adjustment for population size	0.801	0.783	0.893	0.748	0.684

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	1	Basic	1.656	1.739	1.678	1.309	1.740
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	1.609	1.707	1.614	1.240	1.716
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	1.695	1.765	1.733	1.365	1.760
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	1.371	1.423	1.408	1.101	1.422
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	1.959	2.075	1.960	1.519	2.092
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	1.628	1.719	1.641	1.269	1.726
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	1.611	1.708	1.617	1.242	1.716
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	1.564	1.673	1.555	1.178	1.691
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	1.579	1.688	1.578	1.189	1.694
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	1.519	1.651	1.502	1.089	1.655
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	1.371	1.544	1.307	0.874	1.572
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	1.290	1.487	1.206	0.748	1.523
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.991	1.257	0.830	0.310	1.347
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	1.427	1.489	1.450	1.126	1.509
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	1.380	1.440	1.401	1.103	1.454
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	1.178	1.208	1.228	0.979	1.189
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	0.735	0.721	0.818	0.691	0.647
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-1.473	-1.634	-1.302	-0.810	-1.977
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-3.445	-3.640	-3.222	-2.148	-4.416
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	1.581	1.657	1.613	1.257	1.644
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	1.617	1.698	1.644	1.283	1.689
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	1.724	1.811	1.745	1.357	1.820
	13d	Multiply MRTP Quitting MRTP, Dual by 2	1.773	1.860	1.798	1.395	1.870
	13e	Multiply MRTP Quitting CC Only by 0.0	-2.108	-2.179	-2.102	-1.500	-2.434
	13f	Multiply MRTP Quitting CC Only by 0.25	-1.242	-1.319	-1.211	-0.816	-1.474
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.411	-0.481	-0.353	-0.160	-0.576
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	1.298	1.332	1.351	1.079	1.314
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.981	0.987	1.039	0.847	0.969
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.568	0.541	0.637	0.575	0.487
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	1.292	1.334	1.339	1.069	1.309
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	3.505	3.822	3.488	2.622	3.693
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	5.463	6.208	5.243	3.768	5.937
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	1.651	1.729	1.688	1.317	1.710
	14e	Multiply Switching to Dual Pcd, Pmd by 5	1.951	2.051	2.005	1.555	1.995
	14f	Multiply Switching to Dual Pcd, Pmd by 10	2.154	2.276	2.216	1.706	2.190
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	1.666	1.751	1.688	1.316	1.752
	14h	Multiply Switching to CC Pmc, Pdc by 5	1.592	1.677	1.594	1.244	1.705
	14i	Multiply Switching to CC Pmc, Pdc by 10	1.476	1.556	1.477	1.151	1.581
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	1.228	1.263	1.272	1.020	1.249
	14k	Multiply Switching from CC Pcm, Pcd by 5	3.574	3.921	3.506	2.611	3.858
	14l	Multiply Switching from CC Pcm, Pcd by 10	5.530	6.308	5.326	3.811	5.948
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	1.661	1.744	1.684	1.313	1.743
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	1.580	1.665	1.589	1.240	1.680
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	1.497	1.580	1.495	1.171	1.605
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	1.658	1.743	1.678	1.307	1.746
	14q	Multiply Switching from Dual Pdc, Pdm by 5	1.667	1.752	1.685	1.311	1.764
	14r	Multiply Switching from Dual Pdc, Pdm by 10	1.649	1.731	1.666	1.293	1.752
	14s	Multiply Switching to CC Pmc, Pdc by 20	1.423	1.509	1.413	1.097	1.543
	14t	Multiply Switching to CC Pmc, Pdc by 50	1.216	1.296	1.186	0.941	1.340
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.969	1.027	0.964	0.772	1.031
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.819	0.867	0.815	0.661	0.867
	15	Adjustment for population size	1.646	1.719	1.674	1.306	1.728

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	1	Basic	0.421	0.460	0.422	0.356	0.420
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	0.410	0.452	0.409	0.341	0.414
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	0.429	0.465	0.432	0.368	0.425
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	0.296	0.310	0.318	0.272	0.241
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	0.545	0.609	0.526	0.439	0.599
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	0.414	0.455	0.414	0.346	0.417
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	0.410	0.452	0.409	0.340	0.414
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	0.398	0.444	0.396	0.325	0.408
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	0.404	0.448	0.402	0.330	0.409
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	0.388	0.438	0.385	0.306	0.399
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	0.353	0.413	0.345	0.254	0.378
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	0.332	0.398	0.322	0.221	0.364
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.245	0.333	0.224	0.091	0.312
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	0.327	0.348	0.342	0.291	0.291
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	0.301	0.319	0.317	0.274	0.257
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	0.185	0.179	0.224	0.201	0.080
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	-0.013	-0.053	0.056	0.067	-0.204
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-1.148	-1.347	-0.948	-0.716	-1.775
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-2.179	-2.460	-1.896	-1.467	-3.165
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	0.401	0.437	0.406	0.342	0.392
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	0.412	0.450	0.414	0.349	0.408
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	0.439	0.481	0.437	0.369	0.445
	13d	Multiply MRTP Quitting MRTP, Dual by 2	0.451	0.494	0.449	0.378	0.459
	13e	Multiply MRTP Quitting CC Only by 0.0	-0.923	-1.043	-0.823	-0.654	-1.256
	13f	Multiply MRTP Quitting CC Only by 0.25	-0.600	-0.689	-0.527	-0.412	-0.836
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.306	-0.364	-0.253	-0.187	-0.469
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	0.295	0.314	0.305	0.264	0.267
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.174	0.177	0.194	0.174	0.120
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.035	0.017	0.067	0.073	-0.054
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	0.301	0.323	0.309	0.268	0.278
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	1.063	1.205	1.025	0.839	1.162
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	1.871	2.194	1.746	1.395	2.159
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	0.420	0.458	0.424	0.358	0.414
	14e	Multiply Switching to Dual Pcd, Pmd by 5	0.477	0.516	0.489	0.412	0.446
	14f	Multiply Switching to Dual Pcd, Pmd by 10	0.561	0.613	0.571	0.475	0.538
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	0.426	0.466	0.426	0.360	0.427
	14h	Multiply Switching to CC Pmc, Pdc by 5	0.389	0.426	0.392	0.332	0.383
	14i	Multiply Switching to CC Pmc, Pdc by 10	0.356	0.388	0.364	0.307	0.337
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	0.277	0.296	0.285	0.248	0.252
	14k	Multiply Switching from CC Pcm, Pcd by 5	1.114	1.274	1.059	0.862	1.254
	14l	Multiply Switching from CC Pcm, Pcd by 10	1.923	2.251	1.810	1.438	2.181
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	0.423	0.463	0.424	0.358	0.425
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	0.387	0.423	0.389	0.330	0.379
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	0.351	0.382	0.358	0.304	0.330
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	0.421	0.461	0.422	0.356	0.422
	14q	Multiply Switching from Dual Pdc, Pdm by 5	0.423	0.463	0.424	0.358	0.424
	14r	Multiply Switching from Dual Pdc, Pdm by 10	0.420	0.460	0.420	0.354	0.424
	14s	Multiply Switching to CC Pmc, Pdc by 20	0.340	0.370	0.348	0.293	0.318
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.269	0.293	0.278	0.238	0.237
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.175	0.183	0.200	0.171	0.102
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.121	0.121	0.152	0.133	0.033
	15	Adjustment for population size	0.419	0.456	0.421	0.355	0.419

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	1	Basic	0.060	0.046	0.073	0.062	0.038
	16a	All smokers become quitters	4.415	4.639	4.608	3.725	4.255
	16b	All CC smokers become MRTP	3.367	3.517	3.494	2.887	3.283
	16c	Whole population become MRTP	-0.229	-0.498	0.054	0.068	-0.988
	16d	CC only switchers become quitters	1.900	1.916	1.989	1.690	1.844
	17a	Alternative 1: LLLL	0.547	0.546	0.565	0.501	0.544
	17b	Alternative 2: LLLS	0.537	0.534	0.557	0.493	0.530
	17c	Alternative 3: LLSL	0.509	0.512	0.523	0.466	0.512
	17d	Alternative 4: LLSS	0.494	0.495	0.511	0.454	0.489
	17e	Alternative 5: LSLL	0.059	0.052	0.066	0.053	0.054
	17f	Alternative 6: LSLS	0.053	0.045	0.060	0.048	0.047
	17g	Alternative 7: LSSL	0.044	0.036	0.052	0.038	0.036
	17h	Alternative 8: LSSS	0.037	0.028	0.047	0.033	0.025
	17i	Alternative 9: SLLL	0.284	0.281	0.297	0.264	0.273
	17j	Alternative 10: SLLS	0.258	0.252	0.274	0.243	0.238
	17k	Alternative 11: SLSL	0.271	0.271	0.281	0.251	0.266
	17l	Alternative 12: SLSS	0.238	0.233	0.252	0.224	0.218
	17o	Alternative 13: SSLL	-0.003	-0.016	0.010	0.002	-0.026
	17p	Alternative 14: SSLS	-0.017	-0.032	-0.002	-0.010	-0.045
	17q	Alternative 15: SSSL	-0.013	-0.026	0.002	-0.008	-0.038
	17r	Alternative 16: SSSS	-0.026	-0.043	-0.009	-0.018	-0.060
	18a	Alternative 1: LLLL	0.135	0.126	0.145	0.125	0.129
	18b	Alternative 2: LLLS	0.129	0.119	0.140	0.120	0.122
	18c	Alternative 3: LLSL	0.134	0.126	0.145	0.125	0.128
	18d	Alternative 4: LLSS	0.129	0.119	0.139	0.120	0.122
	18e	Alternative 5: LSLL	0.059	0.052	0.066	0.053	0.054
	18f	Alternative 6: LSLS	0.053	0.045	0.060	0.048	0.047
	18g	Alternative 7: LSSL	0.059	0.053	0.066	0.053	0.055
	18h	Alternative 8: LSSS	0.053	0.046	0.060	0.049	0.048
	18i	Alternative 9: SLLL	0.056	0.040	0.071	0.059	0.031
	18j	Alternative 10: SLLS	0.042	0.024	0.059	0.047	0.014
	18k	Alternative 11: SLSL	0.055	0.039	0.071	0.059	0.030
	18l	Alternative 12: SLSS	0.043	0.026	0.059	0.049	0.016
	18o	Alternative 13: SSLL	0.013	0.001	0.024	0.015	-0.006
	18p	Alternative 14: SSLS	0.001	-0.013	0.013	0.005	-0.022
	18q	Alternative 15: SSSL	0.014	0.002	0.026	0.016	-0.005
	18r	Alternative 16: SSSS	0.003	-0.009	0.015	0.007	-0.018
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	-0.018	-0.041	0.003	-0.007	-0.058
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	-0.076	-0.107	-0.047	-0.051	-0.142
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	-0.131	-0.170	-0.097	-0.090	-0.218
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.158	-0.196	-0.128	-0.112	-0.240
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.222	-0.269	-0.182	-0.166	-0.333

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	1	Basic	0.246	0.206	0.307	0.256	0.132
	16a	All smokers become quitters	8.867	10.772	8.667	6.329	9.100
	16b	All CC smokers become MRTP	6.587	7.756	6.493	4.839	6.842
	16c	Whole population become MRTP	0.136	-0.072	0.444	0.484	-0.707
	16d	CC only switchers become quitters	5.373	5.936	5.526	4.231	5.271
	17a	Alternative 1: LLLL	1.815	1.873	1.903	1.555	1.752
	17b	Alternative 2: LLLS	1.753	1.802	1.848	1.509	1.674
	17c	Alternative 3: LLSL	1.617	1.676	1.685	1.392	1.575
	17d	Alternative 4: LLSS	1.566	1.618	1.640	1.355	1.506
	17e	Alternative 5: LSLL	0.169	0.128	0.225	0.195	0.058
	17f	Alternative 6: LSLS	0.128	0.084	0.188	0.161	0.005
	17g	Alternative 7: LSSL	0.106	0.055	0.172	0.156	-0.040
	17h	Alternative 8: LSSS	0.075	0.022	0.142	0.130	-0.079
	17i	Alternative 9: SLLL	0.991	1.007	1.048	0.880	0.929
	17j	Alternative 10: SLLS	0.806	0.804	0.874	0.737	0.702
	17k	Alternative 11: SLSL	0.891	0.909	0.936	0.797	0.838
	17l	Alternative 12: SLSS	0.727	0.730	0.782	0.672	0.634
	17o	Alternative 13: SSLL	0.000	-0.055	0.067	0.063	-0.154
	17p	Alternative 14: SSLS	-0.077	-0.140	-0.003	0.003	-0.260
	17q	Alternative 15: SSSL	-0.041	-0.105	0.036	0.042	-0.228
	17r	Alternative 16: SSSS	-0.099	-0.168	-0.019	-0.005	-0.304
	18a	Alternative 1: LLLL	0.471	0.431	0.545	0.453	0.354
	18b	Alternative 2: LLLS	0.431	0.388	0.509	0.420	0.301
	18c	Alternative 3: LLSL	0.460	0.421	0.533	0.442	0.345
	18d	Alternative 4: LLSS	0.421	0.380	0.496	0.409	0.297
	18e	Alternative 5: LSLL	0.169	0.128	0.225	0.195	0.058
	18f	Alternative 6: LSLS	0.128	0.084	0.188	0.161	0.005
	18g	Alternative 7: LSSL	0.164	0.122	0.220	0.190	0.053
	18h	Alternative 8: LSSS	0.125	0.082	0.182	0.157	0.007
	18i	Alternative 9: SLLL	0.256	0.200	0.336	0.281	0.100
	18j	Alternative 10: SLLS	0.176	0.114	0.264	0.220	-0.008
	18k	Alternative 11: SLSL	0.248	0.193	0.329	0.273	0.092
	18l	Alternative 12: SLSS	0.171	0.114	0.254	0.210	-0.000
	18o	Alternative 13: SSLL	0.043	-0.010	0.107	0.096	-0.101
	18p	Alternative 14: SSLS	-0.026	-0.084	0.044	0.042	-0.194
	18q	Alternative 15: SSSL	0.042	-0.011	0.107	0.095	-0.104
	18r	Alternative 16: SSSS	-0.023	-0.077	0.042	0.040	-0.178
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	0.025	-0.049	0.110	0.103	-0.169
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	-0.119	-0.195	-0.036	-0.017	-0.329
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	-0.257	-0.346	-0.165	-0.116	-0.507
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.397	-0.491	-0.297	-0.229	-0.687
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.539	-0.653	-0.422	-0.324	-0.891

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	1	Basic	0.803	0.788	0.894	0.749	0.685
	16a	All smokers become quitters	14.002	18.681	12.457	8.698	14.522
	16b	All CC smokers become MRTP	10.186	12.838	9.345	6.651	10.827
	16c	Whole population become MRTP	0.740	0.759	0.891	0.834	0.330
	16d	CC only switchers become quitters	9.776	11.825	9.409	6.719	9.958
	17a	Alternative 1: LLLL	4.047	4.395	4.097	3.083	4.200
	17b	Alternative 2: LLLS	3.893	4.225	3.944	2.974	4.033
	17c	Alternative 3: LLSL	3.579	3.896	3.581	2.702	3.806
	17d	Alternative 4: LLSS	3.452	3.762	3.445	2.601	3.688
	17e	Alternative 5: LSLL	0.632	0.607	0.714	0.609	0.520
	17f	Alternative 6: LSLS	0.539	0.509	0.627	0.544	0.400
	17g	Alternative 7: LSSL	0.536	0.517	0.605	0.519	0.439
	17h	Alternative 8: LSSS	0.455	0.432	0.526	0.458	0.339
	17i	Alternative 9: SLLL	2.375	2.528	2.399	1.841	2.524
	17j	Alternative 10: SLLS	1.867	1.999	1.873	1.446	1.997
	17k	Alternative 11: SLSL	2.154	2.309	2.146	1.644	2.348
	17l	Alternative 12: SLSS	1.698	1.839	1.662	1.278	1.898
	17o	Alternative 13: SSLL	0.347	0.314	0.424	0.379	0.213
	17p	Alternative 14: SSLS	0.169	0.132	0.252	0.249	-0.007
	17q	Alternative 15: SSSL	0.294	0.267	0.362	0.323	0.171
	17r	Alternative 16: SSSS	0.141	0.112	0.212	0.207	-0.011
	18a	Alternative 1: LLLL	1.260	1.257	1.383	1.116	1.130
	18b	Alternative 2: LLLS	1.173	1.168	1.297	1.050	1.028
	18c	Alternative 3: LLSL	1.209	1.204	1.333	1.073	1.073
	18d	Alternative 4: LLSS	1.120	1.113	1.243	1.005	0.971
	18e	Alternative 5: LSLL	0.632	0.607	0.714	0.609	0.520
	18f	Alternative 6: LSLS	0.539	0.509	0.627	0.544	0.400
	18g	Alternative 7: LSSL	0.604	0.579	0.686	0.586	0.487
	18h	Alternative 8: LSSS	0.511	0.483	0.597	0.520	0.374
	18i	Alternative 9: SLLL	0.862	0.840	0.979	0.810	0.702
	18j	Alternative 10: SLLS	0.681	0.655	0.796	0.669	0.494
	18k	Alternative 11: SLSL	0.820	0.795	0.940	0.776	0.647
	18l	Alternative 12: SLSS	0.631	0.604	0.747	0.630	0.437
	18o	Alternative 13: SSLL	0.418	0.387	0.496	0.436	0.289
	18p	Alternative 14: SSLS	0.261	0.225	0.345	0.322	0.094
	18q	Alternative 15: SSSL	0.398	0.367	0.478	0.421	0.264
	18r	Alternative 16: SSSS	0.236	0.202	0.317	0.299	0.072
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	0.443	0.393	0.556	0.507	0.236
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.182	0.127	0.278	0.294	-0.018
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	-0.058	-0.119	0.032	0.098	-0.277
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.296	-0.379	-0.179	-0.053	-0.605
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.516	-0.608	-0.389	-0.208	-0.885

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	1	Basic	1.656	1.739	1.678	1.309	1.740
	16a	All smokers become quitters	18.294	26.148	14.625	9.944	19.005
	16b	All CC smokers become MRTP	13.085	17.369	11.029	7.633	14.176
	16c	Whole population become MRTP	1.178	1.341	1.157	0.952	1.140
	16d	CC only switchers become quitters	13.372	17.416	11.844	8.095	13.820
	17a	Alternative 1: LLLL	6.186	7.054	6.004	4.311	6.549
	17b	Alternative 2: LLLS	5.895	6.716	5.712	4.115	6.258
	17c	Alternative 3: LLSL	5.436	6.170	5.229	3.757	5.895
	17d	Alternative 4: LLSS	5.173	5.864	4.970	3.575	5.630
	17e	Alternative 5: LSLL	1.347	1.380	1.415	1.127	1.339
	17f	Alternative 6: LSLS	1.209	1.242	1.267	1.018	1.200
	17g	Alternative 7: LSSL	1.171	1.212	1.203	0.956	1.208
	17h	Alternative 8: LSSS	1.033	1.072	1.057	0.851	1.061
	17i	Alternative 9: SLLL	3.735	4.116	3.653	2.655	4.074
	17j	Alternative 10: SLLS	2.767	3.068	2.645	1.938	3.109
	17k	Alternative 11: SLSL	3.350	3.702	3.228	2.340	3.744
	17l	Alternative 12: SLSS	2.478	2.753	2.334	1.692	2.865
	17o	Alternative 13: SSLL	0.952	0.966	1.007	0.814	0.938
	17p	Alternative 14: SSLS	0.658	0.673	0.691	0.578	0.637
	17q	Alternative 15: SSSL	0.840	0.865	0.865	0.692	0.867
	17r	Alternative 16: SSSS	0.583	0.606	0.594	0.493	0.595
	18a	Alternative 1: LLLL	2.365	2.486	2.457	1.867	2.387
	18b	Alternative 2: LLLS	2.225	2.344	2.302	1.755	2.254
	18c	Alternative 3: LLSL	2.296	2.411	2.390	1.813	2.315
	18d	Alternative 4: LLSS	2.144	2.258	2.219	1.689	2.172
	18e	Alternative 5: LSLL	1.347	1.380	1.415	1.127	1.339
	18f	Alternative 6: LSLS	1.209	1.242	1.267	1.018	1.200
	18g	Alternative 7: LSSL	1.313	1.346	1.377	1.096	1.308
	18h	Alternative 8: LSSS	1.169	1.200	1.225	0.984	1.160
	18i	Alternative 9: SLLL	1.808	1.880	1.892	1.450	1.814
	18j	Alternative 10: SLLS	1.480	1.546	1.539	1.190	1.487
	18k	Alternative 11: SLSL	1.757	1.827	1.840	1.409	1.763
	18l	Alternative 12: SLSS	1.414	1.478	1.469	1.134	1.424
	18o	Alternative 13: SSLL	1.050	1.068	1.108	0.892	1.037
	18p	Alternative 14: SSLS	0.794	0.813	0.833	0.687	0.776
	18q	Alternative 15: SSSL	1.028	1.047	1.084	0.869	1.017
	18r	Alternative 16: SSSS	0.759	0.777	0.797	0.659	0.741
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	1.173	1.200	1.240	0.996	1.146
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.749	0.743	0.814	0.665	0.708
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	0.358	0.330	0.429	0.379	0.270
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	0.091	0.051	0.153	0.170	-0.009
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.184	-0.234	-0.117	-0.013	-0.339

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	1	Basic	0.421	0.460	0.422	0.356	0.420
	16a	All smokers become quitters	8.538	11.624	7.452	5.530	9.533
	16b	All CC smokers become MRTP	6.272	8.105	5.606	4.243	7.149
	16c	Whole population become MRTP	0.269	0.213	0.428	0.403	-0.180
	16d	CC only switchers become quitters	5.449	6.948	4.949	3.754	6.091
	17a	Alternative 1: LLLL	2.130	2.503	1.992	1.583	2.444
	17b	Alternative 2: LLLS	2.048	2.402	1.919	1.528	2.343
	17c	Alternative 3: LLSL	1.889	2.220	1.752	1.400	2.210
	17d	Alternative 4: LLSS	1.816	2.131	1.686	1.349	2.121
	17e	Alternative 5: LSLL	0.336	0.360	0.344	0.295	0.319
	17f	Alternative 6: LSLS	0.290	0.308	0.302	0.261	0.257
	17g	Alternative 7: LSSL	0.274	0.293	0.286	0.245	0.246
	17h	Alternative 8: LSSS	0.233	0.246	0.248	0.215	0.190
	17i	Alternative 9: SLLL	1.228	1.416	1.148	0.929	1.432
	17j	Alternative 10: SLLS	0.963	1.107	0.904	0.736	1.112
	17k	Alternative 11: SLSL	1.110	1.287	1.025	0.833	1.322
	17l	Alternative 12: SLSS	0.867	1.004	0.802	0.655	1.031
	17o	Alternative 13: SSLL	0.168	0.171	0.189	0.166	0.110
	17p	Alternative 14: SSLS	0.075	0.068	0.106	0.098	-0.015
	17q	Alternative 15: SSSL	0.130	0.131	0.154	0.134	0.064
	17r	Alternative 16: SSSS	0.051	0.042	0.083	0.077	-0.042
	18a	Alternative 1: LLLL	0.678	0.745	0.675	0.555	0.701
	18b	Alternative 2: LLLS	0.633	0.695	0.634	0.521	0.643
	18c	Alternative 3: LLSL	0.655	0.719	0.655	0.538	0.672
	18d	Alternative 4: LLSS	0.609	0.668	0.611	0.503	0.616
	18e	Alternative 5: LSLL	0.336	0.360	0.344	0.295	0.319
	18f	Alternative 6: LSLS	0.290	0.308	0.302	0.261	0.257
	18g	Alternative 7: LSSL	0.324	0.346	0.333	0.286	0.304
	18h	Alternative 8: LSSS	0.278	0.295	0.291	0.251	0.244
	18i	Alternative 9: SLLL	0.454	0.489	0.468	0.388	0.428
	18j	Alternative 10: SLLS	0.356	0.379	0.379	0.316	0.301
	18k	Alternative 11: SLSL	0.436	0.468	0.452	0.375	0.402
	18l	Alternative 12: SLSS	0.337	0.358	0.360	0.300	0.281
	18o	Alternative 13: SSLL	0.210	0.218	0.227	0.198	0.162
	18p	Alternative 14: SSLS	0.128	0.127	0.155	0.139	0.052
	18q	Alternative 15: SSSL	0.203	0.210	0.222	0.193	0.152
	18r	Alternative 16: SSSS	0.120	0.119	0.146	0.131	0.046
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	0.213	0.212	0.245	0.217	0.129
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.054	0.032	0.098	0.097	-0.065
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	-0.088	-0.128	-0.031	-0.008	-0.248
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.212	-0.270	-0.142	-0.096	-0.418
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.337	-0.410	-0.252	-0.184	-0.590

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	01	Basic	0.637	0.251	1.294	1.841	0.441
	02	Simulation analysis	0.521	0.185	1.098	1.428	0.365
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	0.718	0.279	1.470	2.074	0.493
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	0.698	0.272	1.426	2.015	0.480
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	0.678	0.265	1.382	1.957	0.467
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	0.657	0.258	1.338	1.899	0.454
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	0.617	0.244	1.250	1.782	0.428
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	0.596	0.238	1.206	1.724	0.415
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	0.576	0.231	1.162	1.666	0.402
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	0.556	0.224	1.119	1.608	0.388
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	0.515	0.210	1.031	1.491	0.362
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.475	0.196	0.944	1.375	0.336
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	0.435	0.183	0.856	1.259	0.310
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	0.750	0.290	1.533	2.164	0.517
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	0.721	0.280	1.473	2.083	0.498
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	0.693	0.271	1.414	2.002	0.479
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	0.665	0.261	1.354	1.921	0.460
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	0.609	0.242	1.234	1.760	0.422
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	0.581	0.232	1.174	1.679	0.403
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	0.553	0.222	1.115	1.598	0.384
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	0.525	0.212	1.055	1.517	0.365
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.469	0.193	0.936	1.356	0.327
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	0.413	0.174	0.817	1.195	0.289
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.357	0.155	0.698	1.034	0.251
	04a	Effective dose for dual use (G) = 0.4	0.699	0.274	1.421	2.021	0.488
	04b	Effective dose for dual use (G) = 0.8	0.575	0.229	1.167	1.660	0.393
	04c	Effective dose for dual use (G) = 1.0	0.513	0.206	1.039	1.480	0.346
	04d	Effective dose for dual use (G) = 1.2	0.450	0.183	0.912	1.300	0.299
	04e	Effective dose for dual use (G) = 1.5	0.357	0.149	0.722	1.030	0.228
	04f	Effective dose for dual use (G) = 2.0	0.203	0.093	0.406	0.581	0.110
	05a	STP factor 1 = 1	0.639	0.252	1.300	1.844	0.441
	05b	STP factor 1 = 1.5	0.639	0.252	1.300	1.844	0.441
	05c	STP factor 1 = 2.5	0.631	0.249	1.283	1.826	0.437
	05d	STP factor 1 = 3	0.629	0.248	1.276	1.818	0.437
	05e	STP factor 1 = 2, factor 4 = 0.5	0.637	0.251	1.294	1.841	0.441
	05f	STP factor 1 = 2, factor 4 = 1	0.637	0.251	1.294	1.841	0.441
	05g	STP factor 1 = 2, factor 4 Ignored	0.637	0.251	1.295	1.842	0.441
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	0.642	0.252	1.308	1.848	0.441
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	0.637	0.251	1.294	1.841	0.441
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	0.637	0.251	1.295	1.842	0.441
	06a	STP factor 2 = 1	0.644	0.252	1.315	1.844	0.444
	06b	STP factor 2 = 1.5	0.627	0.245	1.285	1.785	0.425
	06c	STP factor 2 = 2.5	0.610	0.245	1.224	1.753	0.440
	06d	STP factor 2 = 3	0.594	0.239	1.186	1.726	0.430
	07a	STP factor 3 = 1	0.663	0.264	1.333	1.901	0.477
	07b	STP factor 3 = 1.5	0.664	0.263	1.343	1.893	0.473
	07c	STP factor 3 = 2.5	0.672	0.264	1.367	1.927	0.468
	07d	STP factor 3 = 3	0.640	0.254	1.295	1.846	0.448
	08a	Definition of short-term quitting (years) = 1	0.633	0.251	1.279	1.833	0.442
	08b	Definition of short-term quitting (years) = 3	0.653	0.252	1.346	1.884	0.436
	09a	Relative Risk: 20% reduction	0.659	0.298	1.340	1.865	0.496
	09b	Relative Risk: 20% increase	0.620	0.217	1.251	1.817	0.397
	09c	Relative Risk: From US Surgeon General 2014	0.553	0.127	1.134	2.159	0.093
	10a	Half Life: 20% reduction	0.809	0.344	1.622	2.269	0.569
	10b	Half Life: 20% increase	0.525	0.197	1.065	1.534	0.368

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	01	Basic	1.766	0.773	3.257	4.043	1.661
	02	Simulation analysis	1.595	0.601	3.267	3.932	1.146
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	2.056	0.883	3.857	4.722	1.868
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	1.983	0.856	3.707	4.552	1.816
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	1.911	0.828	3.556	4.382	1.764
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	1.838	0.800	3.406	4.213	1.713
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	1.694	0.745	3.107	3.874	1.609
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	1.622	0.718	2.958	3.705	1.558
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	1.550	0.691	2.809	3.536	1.507
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	1.478	0.663	2.660	3.367	1.455
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	1.334	0.609	2.362	3.030	1.353
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	1.191	0.555	2.066	2.693	1.251
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	1.049	0.501	1.770	2.357	1.149
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	2.140	0.918	4.023	4.908	1.937
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	2.046	0.882	3.831	4.691	1.868
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	1.953	0.845	3.639	4.475	1.799
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	1.859	0.809	3.448	4.259	1.730
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	1.673	0.737	3.066	3.828	1.592
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	1.580	0.701	2.875	3.612	1.524
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	1.487	0.665	2.685	3.397	1.455
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	1.395	0.629	2.496	3.182	1.387
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	1.210	0.558	2.117	2.753	1.251
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	1.026	0.488	1.740	2.325	1.115
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.843	0.417	1.364	1.898	0.980
	04a	Effective dose for dual use (G) = 0.4	1.934	0.841	3.587	4.414	1.799
	04b	Effective dose for dual use (G) = 0.8	1.599	0.705	2.927	3.673	1.524
	04c	Effective dose for dual use (G) = 1.0	1.433	0.637	2.598	3.303	1.387
	04d	Effective dose for dual use (G) = 1.2	1.267	0.569	2.271	2.934	1.250
	04e	Effective dose for dual use (G) = 1.5	1.019	0.469	1.781	2.382	1.047
	04f	Effective dose for dual use (G) = 2.0	0.609	0.303	0.969	1.464	0.710
	05a	STP factor 1 = 1	1.771	0.774	3.270	4.052	1.662
	05b	STP factor 1 = 1.5	1.771	0.774	3.270	4.053	1.662
	05c	STP factor 1 = 2.5	1.752	0.767	3.232	3.997	1.649
	05d	STP factor 1 = 3	1.737	0.761	3.200	3.952	1.639
	05e	STP factor 1 = 2, factor 4 = 0.5	1.768	0.774	3.261	4.049	1.662
	05f	STP factor 1 = 2, factor 4 = 1	1.766	0.774	3.253	4.047	1.664
	05g	STP factor 1 = 2, factor 4 Ignored	1.756	0.772	3.224	4.023	1.662
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	1.778	0.775	3.289	4.066	1.663
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	1.761	0.772	3.243	4.035	1.661
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	1.757	0.771	3.232	4.021	1.659
	06a	STP factor 2 = 1	1.882	0.825	3.465	4.257	1.777
	06b	STP factor 2 = 1.5	1.809	0.784	3.363	4.124	1.675
	06c	STP factor 2 = 2.5	1.684	0.744	3.080	3.886	1.606
	06d	STP factor 2 = 3	1.667	0.745	3.023	3.809	1.625
	07a	STP factor 3 = 1	1.830	0.804	3.377	4.183	1.712
	07b	STP factor 3 = 1.5	1.805	0.789	3.340	4.136	1.680
	07c	STP factor 3 = 2.5	1.823	0.790	3.390	4.198	1.679
	07d	STP factor 3 = 3	1.771	0.776	3.260	4.082	1.664
	08a	Definition of short-term quitting (years) = 1	1.756	0.773	3.231	3.997	1.662
	08b	Definition of short-term quitting (years) = 3	1.873	0.804	3.503	4.353	1.703
	09a	Relative Risk: 20% reduction	1.850	0.913	3.378	4.105	1.855
	09b	Relative Risk: 20% increase	1.703	0.670	3.149	3.989	1.503
	09c	Relative Risk: From US Surgeon General 2014	1.579	0.413	3.156	5.866	0.396
	10a	Half Life: 20% reduction	2.168	1.034	3.857	4.715	2.115
	10b	Half Life: 20% increase	1.494	0.612	2.802	3.514	1.393

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	01	Basic	2.689	1.166	5.378	5.854	2.338
	02	Simulation analysis	2.802	1.150	5.888	6.576	2.045
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	3.232	1.387	6.539	7.132	2.719
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	3.096	1.331	6.247	6.812	2.624
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	2.960	1.276	5.957	6.492	2.528
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	2.825	1.221	5.667	6.173	2.433
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	2.555	1.111	5.090	5.536	2.243
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	2.420	1.056	4.802	5.219	2.148
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	2.286	1.002	4.516	4.902	2.053
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	2.152	0.948	4.230	4.585	1.959
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	1.886	0.840	3.660	3.954	1.771
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	1.621	0.733	3.093	3.325	1.584
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	1.358	0.627	2.529	2.699	1.398
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	3.353	1.438	6.792	7.408	2.806
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	3.186	1.369	6.437	7.018	2.689
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	3.020	1.301	6.083	6.629	2.571
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	2.854	1.233	5.730	6.241	2.454
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	2.525	1.099	5.028	5.468	2.221
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	2.361	1.032	4.678	5.082	2.105
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	2.198	0.965	4.329	4.698	1.989
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	2.035	0.899	3.982	4.314	1.874
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	1.711	0.767	3.291	3.548	1.644
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	1.389	0.637	2.603	2.786	1.415
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	1.069	0.508	1.920	2.027	1.188
	04a	Effective dose for dual use (G) = 0.4	2.928	1.266	5.880	6.402	2.510
	04b	Effective dose for dual use (G) = 0.8	2.452	1.067	4.879	5.308	2.166
	04c	Effective dose for dual use (G) = 1.0	2.217	0.968	4.381	4.763	1.995
	04d	Effective dose for dual use (G) = 1.2	1.982	0.871	3.886	4.220	1.824
	04e	Effective dose for dual use (G) = 1.5	1.632	0.725	3.149	3.409	1.570
	04f	Effective dose for dual use (G) = 2.0	1.055	0.486	1.930	2.066	1.149
	05a	STP factor 1 = 1	2.701	1.170	5.406	5.880	2.342
	05b	STP factor 1 = 1.5	2.700	1.170	5.406	5.880	2.342
	05c	STP factor 1 = 2.5	2.672	1.156	5.354	5.836	2.311
	05d	STP factor 1 = 3	2.656	1.147	5.329	5.813	2.289
	05e	STP factor 1 = 2, factor 4 = 0.5	2.678	1.163	5.349	5.831	2.334
	05f	STP factor 1 = 2, factor 4 = 1	2.664	1.159	5.312	5.794	2.330
	05g	STP factor 1 = 2, factor 4 Ignored	2.632	1.149	5.230	5.721	2.318
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	2.713	1.175	5.435	5.909	2.348
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	2.668	1.157	5.333	5.795	2.323
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	2.654	1.152	5.302	5.766	2.316
	06a	STP factor 2 = 1	2.795	1.215	5.544	6.025	2.469
	06b	STP factor 2 = 1.5	2.739	1.186	5.466	5.901	2.398
	06c	STP factor 2 = 2.5	2.576	1.124	5.132	5.531	2.283
	06d	STP factor 2 = 3	2.529	1.101	5.053	5.502	2.227
	07a	STP factor 3 = 1	2.789	1.222	5.542	6.074	2.449
	07b	STP factor 3 = 1.5	2.752	1.203	5.478	5.964	2.413
	07c	STP factor 3 = 2.5	2.835	1.228	5.672	6.165	2.452
	07d	STP factor 3 = 3	2.771	1.207	5.510	6.039	2.423
	08a	Definition of short-term quitting (years) = 1	2.661	1.154	5.330	5.807	2.305
	08b	Definition of short-term quitting (years) = 3	2.836	1.224	5.688	6.156	2.440
	09a	Relative Risk: 20% reduction	2.841	1.376	5.671	6.054	2.608
	09b	Relative Risk: 20% increase	2.569	1.012	5.126	5.677	2.118
	09c	Relative Risk: From US Surgeon General 2014	2.225	0.672	4.879	7.230	0.564
	10a	Half Life: 20% reduction	3.160	1.492	6.048	6.664	2.876
	10b	Half Life: 20% increase	2.355	0.954	4.831	5.190	2.007

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	01	Basic	3.708	1.628	7.678	8.272	2.968
	02	Simulation analysis	3.931	1.730	8.189	8.923	3.012
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	4.498	1.979	9.329	10.035	3.565
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	4.299	1.891	8.914	9.593	3.415
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	4.101	1.803	8.501	9.151	3.265
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	3.904	1.715	8.089	8.711	3.116
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	3.512	1.541	7.269	7.833	2.820
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	3.318	1.455	6.861	7.396	2.672
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	3.124	1.370	6.455	6.960	2.525
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	2.930	1.284	6.050	6.525	2.379
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	2.546	1.115	5.244	5.657	2.087
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	2.164	0.948	4.444	4.794	1.797
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	1.786	0.783	3.649	3.934	1.509
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	4.676	2.059	9.697	10.444	3.703
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	4.432	1.950	9.189	9.898	3.518
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	4.190	1.842	8.683	9.355	3.334
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	3.948	1.735	8.179	8.812	3.151
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	3.469	1.522	7.179	7.733	2.786
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	3.231	1.417	6.682	7.195	2.605
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	2.994	1.312	6.186	6.659	2.424
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	2.758	1.208	5.694	6.125	2.244
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	2.290	1.003	4.714	5.061	1.887
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	1.826	0.800	3.743	4.003	1.532
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	1.366	0.600	2.779	2.952	1.180
	04a	Effective dose for dual use (G) = 0.4	4.060	1.784	8.405	9.082	3.242
	04b	Effective dose for dual use (G) = 0.8	3.359	1.473	6.957	7.466	2.696
	04c	Effective dose for dual use (G) = 1.0	3.013	1.320	6.241	6.664	2.426
	04d	Effective dose for dual use (G) = 1.2	2.669	1.169	5.530	5.867	2.157
	04e	Effective dose for dual use (G) = 1.5	2.159	0.945	4.474	4.680	1.758
	04f	Effective dose for dual use (G) = 2.0	1.321	0.579	2.738	2.723	1.100
	05a	STP factor 1 = 1	3.731	1.637	7.730	8.326	2.981
	05b	STP factor 1 = 1.5	3.728	1.636	7.723	8.318	2.980
	05c	STP factor 1 = 2.5	3.701	1.627	7.659	8.253	2.967
	05d	STP factor 1 = 3	3.695	1.624	7.645	8.246	2.963
	05e	STP factor 1 = 2, factor 4 = 0.5	3.686	1.625	7.611	8.213	2.967
	05f	STP factor 1 = 2, factor 4 = 1	3.644	1.609	7.509	8.101	2.946
	05g	STP factor 1 = 2, factor 4 Ignored	3.608	1.594	7.424	8.022	2.928
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	3.737	1.642	7.735	8.338	2.990
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	3.681	1.613	7.634	8.197	2.941
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	3.661	1.606	7.586	8.151	2.933
	06a	STP factor 2 = 1	3.799	1.679	7.775	8.331	3.103
	06b	STP factor 2 = 1.5	3.747	1.639	7.757	8.295	3.000
	06c	STP factor 2 = 2.5	3.471	1.512	7.260	7.759	2.747
	06d	STP factor 2 = 3	3.369	1.465	7.071	7.445	2.680
	07a	STP factor 3 = 1	3.814	1.706	7.795	8.364	3.156
	07b	STP factor 3 = 1.5	3.764	1.667	7.754	8.356	3.052
	07c	STP factor 3 = 2.5	3.907	1.716	8.071	8.753	3.122
	07d	STP factor 3 = 3	3.838	1.686	7.911	8.615	3.078
	08a	Definition of short-term quitting (years) = 1	3.700	1.630	7.647	8.284	2.971
	08b	Definition of short-term quitting (years) = 3	3.852	1.684	8.001	8.611	3.040
	09a	Relative Risk: 20% reduction	3.919	1.917	8.119	8.594	3.303
	09b	Relative Risk: 20% increase	3.539	1.415	7.296	7.984	2.695
	09c	Relative Risk: From US Surgeon General 2014	2.925	0.955	6.684	8.981	0.712
	10a	Half Life: 20% reduction	4.262	2.031	8.447	9.199	3.579
	10b	Half Life: 20% increase	3.307	1.359	7.031	7.478	2.587

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	01	Basic	1.549	0.663	3.006	3.628	1.349
	02	Simulation analysis	1.555	0.626	3.162	3.751	1.194
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	1.843	0.781	3.610	4.328	1.569
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	1.769	0.752	3.458	4.152	1.514
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	1.695	0.722	3.307	3.977	1.459
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	1.622	0.692	3.156	3.803	1.404
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	1.476	0.633	2.856	3.454	1.294
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	1.403	0.604	2.706	3.280	1.239
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	1.330	0.575	2.557	3.107	1.185
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	1.258	0.546	2.408	2.933	1.130
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	1.113	0.488	2.111	2.587	1.022
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.970	0.430	1.816	2.242	0.914
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	0.827	0.373	1.521	1.898	0.806
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	1.916	0.812	3.757	4.500	1.627
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	1.824	0.774	3.568	4.282	1.557
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	1.732	0.737	3.380	4.063	1.488
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	1.640	0.700	3.193	3.846	1.418
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	1.458	0.626	2.820	3.411	1.280
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	1.367	0.589	2.634	3.195	1.211
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	1.276	0.553	2.448	2.979	1.142
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	1.186	0.516	2.263	2.763	1.073
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	1.006	0.444	1.895	2.333	0.937
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	0.828	0.372	1.529	1.904	0.801
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.650	0.301	1.165	1.477	0.665
	04a	Effective dose for dual use (G) = 0.4	1.694	0.723	3.299	3.972	1.464
	04b	Effective dose for dual use (G) = 0.8	1.404	0.603	2.715	3.286	1.234
	04c	Effective dose for dual use (G) = 1.0	1.260	0.544	2.425	2.945	1.119
	04d	Effective dose for dual use (G) = 1.2	1.117	0.485	2.136	2.604	1.005
	04e	Effective dose for dual use (G) = 1.5	0.903	0.398	1.706	2.096	0.835
	04f	Effective dose for dual use (G) = 2.0	0.550	0.254	0.994	1.253	0.553
	05a	STP factor 1 = 1	1.555	0.665	3.021	3.642	1.351
	05b	STP factor 1 = 1.5	1.555	0.665	3.020	3.641	1.351
	05c	STP factor 1 = 2.5	1.540	0.659	2.991	3.609	1.339
	05d	STP factor 1 = 3	1.530	0.654	2.973	3.588	1.329
	05e	STP factor 1 = 2, factor 4 = 0.5	1.546	0.662	2.997	3.621	1.348
	05f	STP factor 1 = 2, factor 4 = 1	1.537	0.660	2.975	3.600	1.345
	05g	STP factor 1 = 2, factor 4 Ignored	1.524	0.656	2.944	3.571	1.341
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	1.560	0.666	3.032	3.653	1.354
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	1.539	0.659	2.987	3.606	1.342
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	1.534	0.657	2.974	3.592	1.340
	06a	STP factor 2 = 1	1.622	0.695	3.134	3.767	1.430
	06b	STP factor 2 = 1.5	1.575	0.670	3.066	3.660	1.367
	06c	STP factor 2 = 2.5	1.477	0.637	2.849	3.439	1.310
	06d	STP factor 2 = 3	1.450	0.627	2.792	3.379	1.296
	07a	STP factor 3 = 1	1.599	0.691	3.084	3.731	1.413
	07b	STP factor 3 = 1.5	1.584	0.681	3.069	3.702	1.386
	07c	STP factor 3 = 2.5	1.623	0.693	3.156	3.811	1.405
	07d	STP factor 3 = 3	1.586	0.682	3.062	3.723	1.391
	08a	Definition of short-term quitting (years) = 1	1.535	0.659	2.976	3.600	1.340
	08b	Definition of short-term quitting (years) = 3	1.630	0.690	3.190	3.825	1.389
	09a	Relative Risk: 20% reduction	1.626	0.781	3.153	3.726	1.502
	09b	Relative Risk: 20% increase	1.488	0.576	2.877	3.540	1.224
	09c	Relative Risk: From US Surgeon General 2014	1.295	0.373	2.672	4.354	0.325
	10a	Half Life: 20% reduction	1.852	0.859	3.479	4.204	1.675
	10b	Half Life: 20% increase	1.338	0.538	2.641	3.174	1.152

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	1	Basic	0.637	0.251	1.294	1.841	0.441
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	0.637	0.251	1.293	1.840	0.441
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	0.639	0.252	1.301	1.849	0.441
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	0.594	0.235	1.213	1.696	0.403
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	0.782	0.302	1.605	2.228	0.543
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	0.635	0.251	1.287	1.833	0.440
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	0.633	0.251	1.281	1.826	0.440
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	0.630	0.251	1.274	1.817	0.440
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	0.633	0.251	1.284	1.828	0.440
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	0.626	0.250	1.263	1.802	0.439
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	0.619	0.250	1.244	1.776	0.437
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	0.608	0.249	1.214	1.735	0.435
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.577	0.246	1.128	1.618	0.428
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	0.554	0.219	1.125	1.620	0.377
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	0.480	0.202	0.932	1.424	0.359
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	0.396	0.168	0.780	1.170	0.277
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	0.053	0.032	0.116	0.139	-0.008
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-1.760	-0.615	-3.702	-5.068	-1.253
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-3.994	-1.420	-8.318	-11.413	-2.929
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	0.632	0.250	1.281	1.827	0.439
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	0.634	0.251	1.284	1.834	0.441
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	0.646	0.255	1.310	1.865	0.452
	13d	Multiply MRTP Quitting MRTP, Dual by 2	0.647	0.255	1.311	1.866	0.452
	13e	Multiply MRTP Quitting CC Only by 0.0	-0.506	-0.132	-1.196	-1.355	-0.302
	13f	Multiply MRTP Quitting CC Only by 0.25	-0.279	-0.072	-0.637	-0.698	-0.216
	13g	Multiply MRTP Quitting CC Only by 0.5	0.024	0.040	-0.017	0.213	0.004
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	0.555	0.226	1.107	1.649	0.383
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.363	0.148	0.734	1.126	0.223
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.231	0.102	0.463	0.778	0.111
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	0.569	0.231	1.140	1.702	0.385
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	1.351	0.460	2.992	3.663	0.791
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	2.030	0.653	4.617	5.545	1.092
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	0.619	0.245	1.256	1.811	0.421
	14e	Multiply Switching to Dual Pcd, Pmd by 5	0.777	0.302	1.589	2.254	0.532
	14f	Multiply Switching to Dual Pcd, Pmd by 10	0.882	0.331	1.848	2.467	0.584
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	0.639	0.252	1.300	1.844	0.441
	14h	Multiply Switching to CC Pmc, Pdc by 5	0.626	0.249	1.261	1.812	0.444
	14i	Multiply Switching to CC Pmc, Pdc by 10	0.610	0.244	1.227	1.757	0.434
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	0.584	0.237	1.171	1.731	0.400
	14k	Multiply Switching from CC Pcm, Pcd by 5	1.384	0.469	3.070	3.788	0.803
	14l	Multiply Switching from CC Pcm, Pcd by 10	2.093	0.669	4.765	5.763	1.119
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	0.642	0.252	1.308	1.849	0.441
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	0.616	0.244	1.246	1.782	0.430
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	0.602	0.239	1.218	1.729	0.422
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	0.637	0.251	1.293	1.840	0.441
	14q	Multiply Switching from Dual Pdc, Pdm by 5	0.644	0.255	1.305	1.857	0.451
	14r	Multiply Switching from Dual Pdc, Pdm by 10	0.645	0.255	1.307	1.864	0.452
	14s	Multiply Switching to CC Pmc, Pdc by 20	0.606	0.243	1.218	1.745	0.433
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.580	0.235	1.158	1.670	0.419
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.481	0.201	0.945	1.382	0.353
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.415	0.174	0.826	1.198	0.284
	15	Adjustment for population size	0.633	0.247	1.291	1.838	0.437

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	1	Basic	1.766	0.773	3.257	4.043	1.661
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	1.752	0.771	3.220	3.995	1.657
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	1.777	0.774	3.285	4.081	1.664
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	1.468	0.644	2.700	3.344	1.392
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	2.244	0.964	4.199	5.197	2.044
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	1.750	0.771	3.214	3.996	1.658
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	1.737	0.769	3.179	3.956	1.656
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	1.722	0.767	3.136	3.906	1.653
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	1.736	0.769	3.177	3.932	1.653
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	1.703	0.764	3.089	3.823	1.646
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	1.664	0.759	2.989	3.674	1.635
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	1.609	0.752	2.844	3.484	1.623
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	1.471	0.732	2.487	2.971	1.589
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	1.551	0.685	2.829	3.524	1.496
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	1.261	0.583	2.198	2.778	1.332
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	1.047	0.483	1.830	2.313	1.099
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	0.317	0.151	0.494	0.781	0.404
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-3.911	-1.512	-7.961	-9.422	-2.899
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-8.184	-3.150	-16.489	-19.641	-6.406
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	1.704	0.747	3.140	3.880	1.605
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	1.746	0.767	3.211	3.993	1.651
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	1.823	0.797	3.367	4.178	1.707
	13d	Multiply MRTP Quitting MRTP, Dual by 2	1.851	0.807	3.426	4.250	1.725
	13e	Multiply MRTP Quitting CC Only by 0.0	-2.009	-0.607	-4.661	-5.278	-0.923
	13f	Multiply MRTP Quitting CC Only by 0.25	-1.051	-0.285	-2.552	-2.915	-0.351
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.021	0.119	-0.500	-0.395	0.459
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	1.514	0.698	2.672	3.432	1.532
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	1.095	0.521	1.870	2.414	1.182
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.803	0.412	1.264	1.774	0.961
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	1.530	0.703	2.708	3.452	1.540
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	3.898	1.444	8.188	9.353	2.647
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	6.220	2.240	13.424	14.598	3.879
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	1.742	0.764	3.209	3.972	1.643
	14e	Multiply Switching to Dual Pcd, Pmd by 5	2.062	0.894	3.849	4.741	1.883
	14f	Multiply Switching to Dual Pcd, Pmd by 10	2.338	0.971	4.520	5.490	1.968
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	1.776	0.776	3.279	4.066	1.667
	14h	Multiply Switching to CC Pmc, Pdc by 5	1.689	0.749	3.088	3.809	1.619
	14i	Multiply Switching to CC Pmc, Pdc by 10	1.590	0.714	2.878	3.559	1.550
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	1.539	0.708	2.720	3.484	1.552
	14k	Multiply Switching from CC Pcm, Pcd by 5	3.964	1.465	8.333	9.476	2.701
	14l	Multiply Switching from CC Pcm, Pcd by 10	6.323	2.291	13.610	14.792	3.977
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	1.778	0.775	3.290	4.067	1.663
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	1.677	0.742	3.069	3.781	1.606
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	1.577	0.702	2.873	3.566	1.517
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	1.769	0.775	3.257	4.051	1.666
	14q	Multiply Switching from Dual Pdc, Pdm by 5	1.779	0.776	3.293	4.068	1.660
	14r	Multiply Switching from Dual Pdc, Pdm by 10	1.780	0.781	3.284	4.069	1.666
	14s	Multiply Switching to CC Pmc, Pdc by 20	1.540	0.694	2.782	3.445	1.504
	14t	Multiply Switching to CC Pmc, Pdc by 50	1.369	0.627	2.429	3.031	1.387
	14u	Multiply Switching to CC Pmc, Pdc by 100	1.009	0.495	1.665	2.204	1.148
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.795	0.405	1.263	1.703	0.951
	15	Adjustment for population size	1.738	0.743	3.234	4.023	1.628

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	1	Basic	2.689	1.166	5.378	5.854	2.338
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	2.643	1.159	5.250	5.688	2.327
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	2.728	1.172	5.486	5.990	2.347
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	2.199	0.941	4.441	4.749	1.887
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	3.458	1.509	6.913	7.469	2.995
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	2.645	1.157	5.257	5.712	2.328
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	2.607	1.151	5.151	5.590	2.320
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	2.556	1.142	5.009	5.422	2.309
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	2.591	1.149	5.112	5.486	2.311
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	2.483	1.130	4.820	5.100	2.285
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	2.336	1.108	4.423	4.528	2.245
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	2.181	1.080	4.007	3.948	2.205
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	1.819	1.013	3.049	2.541	2.107
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	2.368	1.021	4.736	5.108	2.083
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	1.872	0.795	3.753	4.148	1.646
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	1.617	0.672	3.295	3.540	1.393
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	0.629	0.243	1.273	1.205	0.641
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-5.070	-2.231	-10.204	-11.439	-4.134
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-10.151	-4.305	-20.605	-22.856	-8.490
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	2.550	1.103	5.110	5.552	2.209
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	2.622	1.138	5.240	5.692	2.285
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	2.822	1.223	5.649	6.178	2.436
	13d	Multiply MRTP Quitting MRTP, Dual by 2	2.915	1.264	5.832	6.383	2.522
	13e	Multiply MRTP Quitting CC Only by 0.0	-4.140	-1.584	-9.200	-10.292	-2.571
	13f	Multiply MRTP Quitting CC Only by 0.25	-2.344	-0.897	-5.254	-5.843	-1.384
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.558	-0.175	-1.489	-1.711	-0.022
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	2.202	0.981	4.279	4.694	2.044
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	1.587	0.696	3.085	3.397	1.503
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	1.123	0.521	2.031	2.290	1.228
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	2.176	0.970	4.224	4.594	2.035
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	6.607	2.746	14.023	14.716	4.810
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	10.813	4.434	23.515	24.466	7.129
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	2.639	1.137	5.309	5.784	2.260
	14e	Multiply Switching to Dual Pcd, Pmd by 5	3.101	1.357	6.190	6.693	2.690
	14f	Multiply Switching to Dual Pcd, Pmd by 10	3.596	1.571	7.219	7.844	3.050
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	2.724	1.180	5.452	5.934	2.359
	14h	Multiply Switching to CC Pmc, Pdc by 5	2.450	1.057	4.917	5.333	2.117
	14i	Multiply Switching to CC Pmc, Pdc by 10	2.266	0.983	4.526	4.925	1.979
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	2.157	0.971	4.154	4.520	2.048
	14k	Multiply Switching from CC Pcm, Pcd by 5	6.620	2.740	14.111	14.743	4.761
	14l	Multiply Switching from CC Pcm, Pcd by 10	10.943	4.488	23.799	24.653	7.232
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	2.717	1.176	5.448	5.919	2.348
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	2.483	1.067	4.996	5.445	2.128
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	2.317	1.008	4.609	5.039	2.041
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	2.709	1.176	5.413	5.898	2.355
	14q	Multiply Switching from Dual Pdc, Pdm by 5	2.685	1.160	5.391	5.839	2.314
	14r	Multiply Switching from Dual Pdc, Pdm by 10	2.755	1.199	5.499	6.032	2.393
	14s	Multiply Switching to CC Pmc, Pdc by 20	2.220	0.978	4.380	4.814	1.977
	14t	Multiply Switching to CC Pmc, Pdc by 50	1.849	0.830	3.568	3.881	1.746
	14u	Multiply Switching to CC Pmc, Pdc by 100	1.193	0.573	2.129	2.299	1.323
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.893	0.453	1.475	1.621	1.115
	15	Adjustment for population size	2.618	1.087	5.331	5.814	2.245

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	1	Basic	3.708	1.628	7.678	8.272	2.968
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	3.596	1.607	7.371	7.857	2.939
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	3.789	1.644	7.895	8.591	2.992
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	3.125	1.338	6.573	7.205	2.405
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	4.691	2.102	9.613	10.379	3.797
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	3.628	1.609	7.459	8.013	2.947
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	3.541	1.589	7.223	7.741	2.925
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	3.433	1.567	6.928	7.346	2.895
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	3.469	1.581	7.042	7.337	2.895
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	3.242	1.531	6.432	6.511	2.829
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	2.952	1.476	5.664	5.319	2.742
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	2.652	1.409	4.873	4.196	2.650
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	1.986	1.262	3.120	1.655	2.445
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	3.290	1.419	6.865	7.482	2.599
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	2.835	1.201	5.950	6.623	2.217
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	2.471	1.017	5.288	5.923	1.846
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	1.163	0.374	2.808	3.178	0.637
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-5.323	-2.609	-10.104	-10.282	-5.099
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-10.674	-4.875	-21.152	-22.221	-9.649
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	3.519	1.543	7.294	7.832	2.816
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	3.616	1.586	7.490	8.064	2.895
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	3.940	1.738	8.125	8.778	3.180
	13d	Multiply MRTP Quitting MRTP, Dual by 2	4.099	1.809	8.454	9.114	3.309
	13e	Multiply MRTP Quitting CC Only by 0.0	-5.961	-2.521	-12.670	-13.969	-4.452
	13f	Multiply MRTP Quitting CC Only by 0.25	-3.212	-1.374	-6.866	-7.413	-2.327
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.780	-0.343	-1.738	-1.919	-0.421
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	3.024	1.347	6.130	6.663	2.568
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	2.300	1.003	4.692	5.135	1.954
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	1.604	0.694	3.214	3.572	1.456
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	2.957	1.301	6.066	6.521	2.454
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	9.132	4.045	19.411	20.255	6.557
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	14.735	6.729	31.218	31.950	10.322
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	3.680	1.610	7.650	8.263	2.910
	14e	Multiply Switching to Dual Pcd, Pmd by 5	4.150	1.843	8.548	9.088	3.363
	14f	Multiply Switching to Dual Pcd, Pmd by 10	4.688	2.100	9.686	10.216	3.715
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	3.779	1.659	7.829	8.430	3.020
	14h	Multiply Switching to CC Pmc, Pdc by 5	3.387	1.490	7.002	7.470	2.735
	14i	Multiply Switching to CC Pmc, Pdc by 10	3.084	1.359	6.367	6.753	2.510
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	2.938	1.302	5.982	6.493	2.468
	14k	Multiply Switching from CC Pcm, Pcd by 5	9.149	4.050	19.490	20.392	6.497
	14l	Multiply Switching from CC Pcm, Pcd by 10	14.900	6.811	31.513	31.955	10.563
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	3.754	1.649	7.773	8.382	3.000
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	3.410	1.497	7.065	7.525	2.743
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	3.124	1.381	6.417	6.862	2.566
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	3.754	1.650	7.769	8.365	3.010
	14q	Multiply Switching from Dual Pdc, Pdm by 5	3.742	1.639	7.770	8.353	2.974
	14r	Multiply Switching from Dual Pdc, Pdm by 10	3.811	1.685	7.852	8.396	3.093
	14s	Multiply Switching to CC Pmc, Pdc by 20	2.968	1.330	6.038	6.392	2.498
	14t	Multiply Switching to CC Pmc, Pdc by 50	2.316	1.040	4.715	4.878	1.957
	14u	Multiply Switching to CC Pmc, Pdc by 100	1.470	0.672	2.897	3.030	1.357
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.997	0.474	1.888	1.879	1.010
	15	Adjustment for population size	3.603	1.512	7.609	8.212	2.834

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	1	Basic	1.549	0.663	3.006	3.628	1.349
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	1.522	0.659	2.934	3.533	1.342
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	1.569	0.666	3.060	3.703	1.354
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	1.286	0.542	2.525	3.033	1.090
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	1.980	0.849	3.848	4.603	1.717
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	1.526	0.659	2.946	3.556	1.343
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	1.507	0.655	2.894	3.493	1.339
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	1.479	0.650	2.821	3.400	1.332
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	1.493	0.654	2.863	3.420	1.332
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	1.436	0.643	2.713	3.217	1.317
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	1.363	0.632	2.525	2.927	1.295
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	1.276	0.616	2.302	2.615	1.271
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	1.080	0.581	1.799	1.868	1.214
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	1.359	0.579	2.634	3.194	1.192
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	1.113	0.477	2.134	2.655	0.998
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	0.937	0.394	1.829	2.248	0.808
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	0.316	0.116	0.655	0.800	0.249
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-3.108	-1.305	-6.133	-7.256	-2.621
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-6.439	-2.614	-12.823	-15.359	-5.436
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	1.481	0.633	2.877	3.471	1.288
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	1.516	0.650	2.939	3.550	1.324
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	1.619	0.694	3.139	3.793	1.412
	13d	Multiply MRTP Quitting MRTP, Dual by 2	1.661	0.712	3.221	3.891	1.450
	13e	Multiply MRTP Quitting CC Only by 0.0	-2.170	-0.803	-4.673	-5.361	-1.445
	13f	Multiply MRTP Quitting CC Only by 0.25	-1.204	-0.445	-2.613	-2.955	-0.778
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.232	-0.054	-0.650	-0.632	0.009
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	1.301	0.574	2.454	3.034	1.201
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.924	0.404	1.740	2.164	0.864
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.644	0.297	1.145	1.506	0.670
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	1.299	0.571	2.459	3.021	1.194
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	3.690	1.484	7.667	8.642	2.672
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	5.922	2.358	12.539	13.770	3.993
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	1.530	0.653	2.979	3.597	1.320
	14e	Multiply Switching to Dual Pcd, Pmd by 5	1.805	0.776	3.506	4.209	1.564
	14f	Multiply Switching to Dual Pcd, Pmd by 10	2.062	0.874	4.070	4.815	1.715
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	1.565	0.669	3.040	3.667	1.360
	14h	Multiply Switching to CC Pmc, Pdc by 5	1.448	0.621	2.806	3.380	1.268
	14i	Multiply Switching to CC Pmc, Pdc by 10	1.345	0.580	2.594	3.131	1.190
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	1.298	0.573	2.447	3.016	1.200
	14k	Multiply Switching from CC Pcm, Pcd by 5	3.717	1.486	7.756	8.708	2.658
	14l	Multiply Switching from CC Pcm, Pcd by 10	6.021	2.400	12.742	13.948	4.078
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	1.563	0.667	3.039	3.660	1.355
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	1.451	0.620	2.820	3.395	1.262
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	1.354	0.583	2.611	3.161	1.197
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	1.557	0.667	3.018	3.646	1.358
	14q	Multiply Switching from Dual Pdc, Pdm by 5	1.559	0.666	3.033	3.647	1.351
	14r	Multiply Switching from Dual Pdc, Pdm by 10	1.579	0.678	3.059	3.696	1.377
	14s	Multiply Switching to CC Pmc, Pdc by 20	1.309	0.570	2.506	3.048	1.171
	14t	Multiply Switching to CC Pmc, Pdc by 50	1.111	0.490	2.101	2.550	1.025
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.765	0.356	1.365	1.723	0.790
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.583	0.282	1.001	1.295	0.642
	15	Adjustment for population size	1.514	0.625	2.983	3.607	1.303

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	1	Basic	0.637	0.251	1.294	1.841	0.441
	16a	All smokers become quitters	15.478	4.651	37.094	37.367	7.209
	16b	All CC smokers become MRTP	11.719	3.577	27.759	29.159	5.646
	16c	Whole population become MRTP	3.305	0.833	8.480	8.318	1.018
	16d	CC only switchers become quitters	6.864	2.040	16.292	17.630	3.307
	17a	Alternative 1: LLLL	2.339	0.752	5.309	6.393	1.277
	17b	Alternative 2: LLLS	2.313	0.743	5.255	6.324	1.257
	17c	Alternative 3: LLSL	2.128	0.686	4.829	5.794	1.164
	17d	Alternative 4: LLSS	2.095	0.675	4.758	5.691	1.144
	17e	Alternative 5: LSLL	0.598	0.237	1.218	1.747	0.400
	17f	Alternative 6: LSLS	0.586	0.233	1.195	1.718	0.388
	17g	Alternative 7: LSSL	0.563	0.222	1.159	1.673	0.357
	17h	Alternative 8: LSSS	0.546	0.217	1.117	1.624	0.349
	17i	Alternative 9: SLLL	1.431	0.476	3.198	3.963	0.804
	17j	Alternative 10: SLLS	1.332	0.443	2.989	3.684	0.733
	17k	Alternative 11: SLSL	1.308	0.440	2.910	3.587	0.750
	17l	Alternative 12: SLSS	1.209	0.403	2.712	3.319	0.668
	17o	Alternative 13: SSLL	0.418	0.176	0.831	1.233	0.279
	17p	Alternative 14: SSLS	0.387	0.163	0.776	1.155	0.244
	17q	Alternative 15: SSSL	0.392	0.164	0.789	1.179	0.246
	17r	Alternative 16: SSSS	0.362	0.153	0.726	1.101	0.221
	18a	Alternative 1: LLLL	0.895	0.327	1.898	2.541	0.570
	18b	Alternative 2: LLLS	0.878	0.322	1.864	2.496	0.556
	18c	Alternative 3: LLSL	0.868	0.318	1.841	2.479	0.549
	18d	Alternative 4: LLSS	0.856	0.314	1.813	2.443	0.542
	18e	Alternative 5: LSLL	0.598	0.237	1.218	1.747	0.400
	18f	Alternative 6: LSLS	0.586	0.233	1.195	1.718	0.388
	18g	Alternative 7: LSSL	0.587	0.233	1.196	1.726	0.387
	18h	Alternative 8: LSSS	0.578	0.230	1.177	1.705	0.382
	18i	Alternative 9: SLLL	0.683	0.263	1.411	1.951	0.456
	18j	Alternative 10: SLLS	0.650	0.250	1.348	1.861	0.424
	18k	Alternative 11: SLSL	0.657	0.253	1.357	1.890	0.436
	18l	Alternative 12: SLSS	0.632	0.245	1.305	1.823	0.415
	18o	Alternative 13: SSLL	0.463	0.191	0.927	1.361	0.310
	18p	Alternative 14: SSLS	0.437	0.180	0.881	1.296	0.280
	18q	Alternative 15: SSSL	0.452	0.187	0.906	1.340	0.297
	18r	Alternative 16: SSSS	0.433	0.180	0.868	1.295	0.278
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	0.487	0.195	0.995	1.427	0.313
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.332	0.136	0.688	0.986	0.185
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	0.228	0.118	0.388	0.720	0.187
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.025	0.032	-0.169	0.014	0.038
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.205	-0.039	-0.520	-0.447	-0.127

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	1	Basic	1.766	0.773	3.257	4.043	1.661
	16a	All smokers become quitters	30.668	12.016	66.660	64.948	16.817
	16b	All CC smokers become MRTP	22.738	8.781	49.130	49.817	12.978
	16c	Whole population become MRTP	6.378	2.103	14.703	15.821	2.794
	16d	CC only switchers become quitters	18.848	6.701	42.074	42.175	10.112
	17a	Alternative 1: LLLL	7.245	2.608	15.667	16.934	4.488
	17b	Alternative 2: LLLS	7.069	2.540	15.300	16.536	4.366
	17c	Alternative 3: LLSL	6.351	2.281	13.749	14.813	3.934
	17d	Alternative 4: LLSS	6.131	2.198	13.281	14.284	3.796
	17e	Alternative 5: LSLL	1.624	0.730	2.938	3.615	1.586
	17f	Alternative 6: LSLS	1.532	0.693	2.758	3.411	1.508
	17g	Alternative 7: LSSL	1.493	0.690	2.650	3.295	1.497
	17h	Alternative 8: LSSS	1.383	0.648	2.419	3.035	1.426
	17i	Alternative 9: SLLL	4.427	1.645	9.362	10.377	2.944
	17j	Alternative 10: SLLS	3.807	1.404	8.089	8.892	2.503
	17k	Alternative 11: SLSL	3.879	1.437	8.213	9.072	2.577
	17l	Alternative 12: SLSS	3.284	1.214	6.973	7.597	2.173
	17o	Alternative 13: SSLL	1.087	0.528	1.823	2.383	1.198
	17p	Alternative 14: SSLS	0.897	0.450	1.457	1.954	1.034
	17q	Alternative 15: SSSL	1.007	0.506	1.644	2.177	1.146
	17r	Alternative 16: SSSS	0.810	0.428	1.243	1.712	1.002
	18a	Alternative 1: LLLL	2.567	1.050	5.035	5.886	2.119
	18b	Alternative 2: LLLS	2.433	0.996	4.768	5.581	2.013
	18c	Alternative 3: LLSL	2.509	1.028	4.918	5.717	2.080
	18d	Alternative 4: LLSS	2.372	0.974	4.638	5.403	1.977
	18e	Alternative 5: LSLL	1.624	0.730	2.938	3.615	1.586
	18f	Alternative 6: LSLS	1.532	0.693	2.758	3.411	1.508
	18g	Alternative 7: LSSL	1.614	0.729	2.912	3.591	1.583
	18h	Alternative 8: LSSS	1.508	0.688	2.697	3.352	1.502
	18i	Alternative 9: SLLL	1.883	0.808	3.546	4.298	1.695
	18j	Alternative 10: SLLS	1.638	0.711	3.059	3.718	1.504
	18k	Alternative 11: SLSL	1.837	0.792	3.452	4.160	1.666
	18l	Alternative 12: SLSS	1.586	0.694	2.941	3.552	1.480
	18o	Alternative 13: SSLL	1.220	0.578	2.101	2.690	1.295
	18p	Alternative 14: SSLS	1.055	0.510	1.781	2.317	1.152
	18q	Alternative 15: SSSL	1.215	0.578	2.082	2.673	1.295
	18r	Alternative 16: SSSS	1.035	0.508	1.718	2.259	1.157
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	1.415	0.633	2.547	3.271	1.386
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.948	0.439	1.654	2.217	0.967
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	0.441	0.272	0.520	0.904	0.705
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.297	-0.012	-0.998	-0.988	0.204
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.695	-0.163	-1.811	-1.949	-0.094

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	1	Basic	2.689	1.166	5.378	5.854	2.338
	16a	All smokers become quitters	42.352	22.066	85.029	81.492	27.668
	16b	All CC smokers become MRTP	30.704	15.091	62.495	61.709	20.791
	16c	Whole population become MRTP	8.397	3.609	18.073	18.970	5.402
	16d	CC only switchers become quitters	30.212	13.620	64.955	62.574	18.740
	17a	Alternative 1: LLLL	12.748	5.289	27.622	28.610	8.429
	17b	Alternative 2: LLLS	12.325	5.105	26.724	27.676	8.145
	17c	Alternative 3: LLSL	11.007	4.521	23.933	25.027	7.217
	17d	Alternative 4: LLSS	10.498	4.290	22.892	23.878	6.842
	17e	Alternative 5: LSLL	2.321	1.004	4.626	4.999	2.058
	17f	Alternative 6: LSLS	2.089	0.906	4.151	4.453	1.869
	17g	Alternative 7: LSSL	1.998	0.881	3.913	4.245	1.836
	17h	Alternative 8: LSSS	1.718	0.766	3.321	3.541	1.644
	17i	Alternative 9: SLLL	7.813	3.231	16.732	17.925	5.406
	17j	Alternative 10: SLLS	6.188	2.543	13.302	14.146	4.261
	17k	Alternative 11: SLSL	6.737	2.758	14.500	15.634	4.598
	17l	Alternative 12: SLSS	5.223	2.115	11.341	12.102	3.490
	17o	Alternative 13: SSLL	1.429	0.646	2.713	2.889	1.426
	17p	Alternative 14: SSLS	0.938	0.444	1.697	1.693	1.044
	17q	Alternative 15: SSSL	1.228	0.571	2.271	2.452	1.279
	17r	Alternative 16: SSSS	0.717	0.358	1.212	1.159	0.902
	18a	Alternative 1: LLLL	4.144	1.736	8.631	9.270	3.211
	18b	Alternative 2: LLLS	3.840	1.614	7.979	8.565	2.995
	18c	Alternative 3: LLSL	4.050	1.689	8.466	9.099	3.111
	18d	Alternative 4: LLSS	3.725	1.560	7.758	8.327	2.889
	18e	Alternative 5: LSLL	2.321	1.004	4.626	4.999	2.058
	18f	Alternative 6: LSLS	2.089	0.906	4.151	4.453	1.869
	18g	Alternative 7: LSSL	2.277	0.988	4.527	4.889	2.032
	18h	Alternative 8: LSSS	2.015	0.882	3.971	4.262	1.838
	18i	Alternative 9: SLLL	2.937	1.268	5.941	6.432	2.462
	18j	Alternative 10: SLLS	2.325	1.020	4.641	4.959	2.019
	18k	Alternative 11: SLSL	2.872	1.232	5.836	6.332	2.382
	18l	Alternative 12: SLSS	2.227	0.971	4.469	4.772	1.917
	18o	Alternative 13: SSLL	1.650	0.735	3.188	3.414	1.583
	18p	Alternative 14: SSLS	1.223	0.558	2.305	2.378	1.248
	18q	Alternative 15: SSSL	1.624	0.725	3.124	3.356	1.570
	18r	Alternative 16: SSSS	1.152	0.535	2.132	2.199	1.219
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	2.103	0.925	4.128	4.426	1.937
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	1.456	0.657	2.772	2.875	1.458
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	0.561	0.283	0.882	0.839	0.806
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.524	-0.212	-1.236	-1.367	-0.176
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-1.129	-0.485	-2.397	-2.640	-0.750

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	1	Basic	3.708	1.628	7.678	8.272	2.968
	16a	All smokers become quitters	50.916	31.856	92.814	89.480	36.674
	16b	All CC smokers become MRTP	36.213	20.695	68.532	67.758	27.042
	16c	Whole population become MRTP	9.394	4.631	19.034	19.893	6.997
	16d	CC only switchers become quitters	37.772	20.360	75.637	72.738	25.915
	17a	Alternative 1: LLLL	17.598	8.169	37.037	37.652	12.405
	17b	Alternative 2: LLLS	16.934	7.853	35.635	36.364	11.939
	17c	Alternative 3: LLSL	15.109	6.954	31.866	32.778	10.634
	17d	Alternative 4: LLSS	14.372	6.587	30.375	31.338	10.067
	17e	Alternative 5: LSLL	3.241	1.405	6.734	7.208	2.617
	17f	Alternative 6: LSLS	2.888	1.254	5.991	6.356	2.351
	17g	Alternative 7: LSSL	2.654	1.173	5.420	5.709	2.248
	17h	Alternative 8: LSSS	2.226	0.985	4.537	4.749	1.901
	17i	Alternative 9: SLLL	10.740	4.897	22.419	23.430	7.972
	17j	Alternative 10: SLLS	8.045	3.639	16.890	17.707	5.889
	17k	Alternative 11: SLSL	9.251	4.181	19.409	20.523	6.764
	17l	Alternative 12: SLSS	6.848	3.075	14.438	15.257	4.951
	17o	Alternative 13: SSLL	2.008	0.874	4.112	4.382	1.709
	17p	Alternative 14: SSLS	1.191	0.524	2.409	2.448	1.069
	17q	Alternative 15: SSSL	1.612	0.728	3.193	3.309	1.491
	17r	Alternative 16: SSSS	0.808	0.371	1.565	1.505	0.808
	18a	Alternative 1: LLLL	5.897	2.564	12.473	13.196	4.422
	18b	Alternative 2: LLLS	5.409	2.353	11.433	12.074	4.068
	18c	Alternative 3: LLSL	5.779	2.516	12.204	12.915	4.355
	18d	Alternative 4: LLSS	5.237	2.282	11.056	11.665	3.954
	18e	Alternative 5: LSLL	3.241	1.405	6.734	7.208	2.617
	18f	Alternative 6: LSLS	2.888	1.254	5.991	6.356	2.351
	18g	Alternative 7: LSSL	3.145	1.371	6.507	6.943	2.564
	18h	Alternative 8: LSSS	2.744	1.201	5.658	6.003	2.263
	18i	Alternative 9: SLLL	4.183	1.833	8.718	9.295	3.291
	18j	Alternative 10: SLLS	3.124	1.376	6.486	6.848	2.489
	18k	Alternative 11: SLSL	4.109	1.803	8.546	9.128	3.248
	18l	Alternative 12: SLSS	2.994	1.319	6.214	6.545	2.392
	18o	Alternative 13: SSLL	2.313	1.005	4.761	5.084	1.934
	18p	Alternative 14: SSLS	1.609	0.703	3.293	3.416	1.386
	18q	Alternative 15: SSSL	2.248	0.988	4.587	4.886	1.916
	18r	Alternative 16: SSSS	1.489	0.658	3.019	3.127	1.308
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	2.803	1.217	5.822	6.310	2.245
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	1.877	0.805	3.895	4.223	1.531
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	0.761	0.311	1.544	1.736	0.709
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.413	-0.230	-0.829	-0.594	-0.302
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-1.110	-0.558	-2.140	-2.115	-0.984

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	1	Basic	1.549	0.663	3.006	3.628	1.349
	16a	All smokers become quitters	26.563	12.353	54.652	54.500	16.641
	16b	All CC smokers become MRTP	19.467	8.602	40.399	41.699	12.589
	16c	Whole population become MRTP	5.338	2.017	11.864	12.675	2.969
	16d	CC only switchers become quitters	17.020	7.243	36.126	36.744	10.565
	17a	Alternative 1: LLLL	6.970	2.804	14.714	16.077	4.718
	17b	Alternative 2: LLLS	6.762	2.714	14.285	15.623	4.567
	17c	Alternative 3: LLSL	6.058	2.414	12.834	14.099	4.065
	17d	Alternative 4: LLSS	5.809	2.305	12.335	13.543	3.878
	17e	Alternative 5: LSLL	1.394	0.598	2.692	3.241	1.235
	17f	Alternative 6: LSLS	1.279	0.550	2.468	2.970	1.137
	17g	Alternative 7: LSSL	1.226	0.535	2.339	2.832	1.113
	17h	Alternative 8: LSSS	1.090	0.479	2.062	2.499	1.011
	17i	Alternative 9: SLLL	4.240	1.709	8.832	9.951	3.017
	17j	Alternative 10: SLLS	3.436	1.367	7.215	8.094	2.397
	17k	Alternative 11: SLSL	3.682	1.470	7.711	8.717	2.578
	17l	Alternative 12: SLSS	2.937	1.156	6.209	6.974	2.004
	17o	Alternative 13: SSLL	0.886	0.398	1.642	2.020	0.857
	17p	Alternative 14: SSLS	0.638	0.294	1.156	1.426	0.643
	17q	Alternative 15: SSSL	0.781	0.360	1.417	1.763	0.780
	17r	Alternative 16: SSSS	0.530	0.255	0.919	1.151	0.574
	18a	Alternative 1: LLLL	2.367	0.975	4.776	5.568	1.870
	18b	Alternative 2: LLLS	2.213	0.912	4.464	5.208	1.750
	18c	Alternative 3: LLSL	2.317	0.954	4.678	5.452	1.828
	18d	Alternative 4: LLSS	2.153	0.887	4.344	5.063	1.702
	18e	Alternative 5: LSLL	1.394	0.598	2.692	3.241	1.235
	18f	Alternative 6: LSLS	1.279	0.550	2.468	2.970	1.137
	18g	Alternative 7: LSSL	1.370	0.590	2.640	3.180	1.222
	18h	Alternative 8: LSSS	1.245	0.539	2.385	2.882	1.121
	18i	Alternative 9: SLLL	1.696	0.720	3.330	3.968	1.431
	18j	Alternative 10: SLLS	1.385	0.592	2.706	3.226	1.183
	18k	Alternative 11: SLSL	1.659	0.704	3.260	3.885	1.400
	18l	Alternative 12: SLSS	1.335	0.570	2.609	3.106	1.140
	18o	Alternative 13: SSLL	1.012	0.447	1.903	2.324	0.951
	18p	Alternative 14: SSLS	0.797	0.357	1.481	1.810	0.766
	18q	Alternative 15: SSSL	0.997	0.443	1.864	2.283	0.946
	18r	Alternative 16: SSSS	0.767	0.349	1.407	1.733	0.755
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	1.209	0.523	2.318	2.833	1.084
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.810	0.356	1.527	1.895	0.748
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	0.351	0.179	0.550	0.794	0.442
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.257	-0.079	-0.651	-0.597	-0.068
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.617	-0.234	-1.333	-1.432	-0.406

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	01	Basic	0.190	0.064	0.551	0.655	0.083
	02	Simulation analysis	0.406	0.195	0.862	1.103	0.371
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	0.278	0.106	0.740	0.899	0.160
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	0.256	0.095	0.692	0.838	0.141
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	0.234	0.085	0.645	0.777	0.122
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	0.212	0.074	0.598	0.716	0.103
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	0.168	0.053	0.504	0.594	0.064
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	0.146	0.043	0.457	0.533	0.045
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	0.125	0.032	0.410	0.473	0.026
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	0.103	0.022	0.362	0.412	0.006
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	0.059	0.001	0.268	0.290	-0.032
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.016	-0.020	0.174	0.169	-0.070
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	-0.028	-0.041	0.080	0.047	-0.109
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	0.296	0.115	0.778	0.945	0.179
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	0.270	0.102	0.721	0.872	0.155
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	0.243	0.089	0.665	0.800	0.131
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	0.217	0.076	0.608	0.727	0.107
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	0.164	0.051	0.494	0.583	0.060
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	0.137	0.038	0.437	0.510	0.036
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	0.111	0.025	0.381	0.438	0.012
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	0.084	0.012	0.324	0.366	-0.012
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.031	-0.013	0.211	0.221	-0.059
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	-0.022	-0.039	0.097	0.077	-0.107
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	-0.075	-0.064	-0.016	-0.068	-0.154
	04a	Effective dose for dual use (G) = 0.4	0.227	0.082	0.628	0.747	0.120
	04b	Effective dose for dual use (G) = 0.8	0.153	0.045	0.474	0.563	0.047
	04c	Effective dose for dual use (G) = 1.0	0.115	0.026	0.397	0.471	0.010
	04d	Effective dose for dual use (G) = 1.2	0.078	0.007	0.320	0.379	-0.027
	04e	Effective dose for dual use (G) = 1.5	0.022	-0.021	0.204	0.240	-0.082
	04f	Effective dose for dual use (G) = 2.0	-0.071	-0.068	0.012	0.010	-0.174
	05a	STP factor 1 = 1	0.190	0.064	0.551	0.656	0.083
	05b	STP factor 1 = 1.5	0.193	0.065	0.557	0.662	0.085
	05c	STP factor 1 = 2.5	0.191	0.064	0.553	0.658	0.084
	05d	STP factor 1 = 3	0.189	0.063	0.549	0.654	0.082
	05e	STP factor 1 = 2, factor 4 = 0.5	0.191	0.064	0.553	0.657	0.083
	05f	STP factor 1 = 2, factor 4 = 1	0.191	0.064	0.553	0.657	0.083
	05g	STP factor 1 = 2, factor 4 Ignored	0.187	0.061	0.549	0.653	0.078
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	0.193	0.065	0.557	0.662	0.085
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	0.187	0.061	0.549	0.653	0.078
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	0.187	0.061	0.549	0.653	0.078
	06a	STP factor 2 = 1	0.205	0.069	0.592	0.675	0.096
	06b	STP factor 2 = 1.5	0.202	0.069	0.580	0.667	0.095
	06c	STP factor 2 = 2.5	0.185	0.061	0.541	0.622	0.080
	06d	STP factor 2 = 3	0.191	0.065	0.554	0.646	0.085
	07a	STP factor 3 = 1	0.180	0.059	0.524	0.624	0.078
	07b	STP factor 3 = 1.5	0.183	0.060	0.536	0.639	0.074
	07c	STP factor 3 = 2.5	0.191	0.062	0.564	0.685	0.071
	07d	STP factor 3 = 3	0.192	0.061	0.571	0.721	0.067
	08a	Definition of short-term quitting (years) = 1	0.190	0.064	0.549	0.649	0.086
	08b	Definition of short-term quitting (years) = 3	0.178	0.057	0.529	0.621	0.074
	09a	Relative Risk: 20% reduction	0.201	0.075	0.602	0.703	0.092
	09b	Relative Risk: 20% increase	0.181	0.055	0.507	0.613	0.076
	09c	Relative Risk: From US Surgeon General 2014	0.130	0.044	0.307	0.430	0.019
	10a	Half Life: 20% reduction	0.231	0.082	0.661	0.803	0.102
	10b	Half Life: 20% increase	0.162	0.053	0.469	0.551	0.072

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	01	Basic	0.751	0.283	2.195	2.675	0.287
	02	Simulation analysis	1.347	0.645	2.964	3.650	1.194
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	1.032	0.422	2.806	3.397	0.541
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	0.962	0.387	2.653	3.217	0.478
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	0.891	0.353	2.500	3.036	0.414
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	0.821	0.318	2.348	2.855	0.351
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	0.682	0.249	2.043	2.495	0.224
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	0.612	0.215	1.891	2.314	0.161
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	0.542	0.180	1.739	2.134	0.098
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	0.473	0.146	1.587	1.954	0.035
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	0.334	0.077	1.284	1.595	-0.091
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.195	0.009	0.981	1.236	-0.217
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	0.057	-0.059	0.680	0.878	-0.342
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	1.084	0.446	2.929	3.546	0.582
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	1.001	0.406	2.745	3.328	0.508
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	0.917	0.365	2.562	3.110	0.435
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	0.834	0.324	2.378	2.893	0.361
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	0.669	0.243	2.012	2.458	0.214
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	0.586	0.203	1.830	2.240	0.141
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	0.503	0.162	1.648	2.023	0.067
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	0.421	0.122	1.465	1.806	-0.006
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.256	0.042	1.102	1.373	-0.152
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	0.092	-0.038	0.739	0.941	-0.298
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	-0.071	-0.118	0.378	0.509	-0.443
	04a	Effective dose for dual use (G) = 0.4	0.856	0.332	2.440	2.972	0.369
	04b	Effective dose for dual use (G) = 0.8	0.648	0.235	1.951	2.378	0.206
	04c	Effective dose for dual use (G) = 1.0	0.544	0.187	1.707	2.082	0.125
	04d	Effective dose for dual use (G) = 1.2	0.440	0.139	1.464	1.786	0.043
	04e	Effective dose for dual use (G) = 1.5	0.286	0.068	1.101	1.343	-0.078
	04f	Effective dose for dual use (G) = 2.0	0.029	-0.051	0.497	0.606	-0.281
	05a	STP factor 1 = 1	0.761	0.288	2.211	2.708	0.298
	05b	STP factor 1 = 1.5	0.768	0.291	2.224	2.726	0.305
	05c	STP factor 1 = 2.5	0.754	0.285	2.201	2.681	0.289
	05d	STP factor 1 = 3	0.742	0.279	2.176	2.644	0.277
	05e	STP factor 1 = 2, factor 4 = 0.5	0.753	0.284	2.201	2.679	0.288
	05f	STP factor 1 = 2, factor 4 = 1	0.745	0.280	2.184	2.659	0.281
	05g	STP factor 1 = 2, factor 4 Ignored	0.737	0.275	2.165	2.637	0.276
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	0.768	0.292	2.224	2.727	0.305
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	0.741	0.277	2.175	2.650	0.277
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	0.740	0.277	2.173	2.647	0.277
	06a	STP factor 2 = 1	0.756	0.273	2.293	2.762	0.232
	06b	STP factor 2 = 1.5	0.717	0.255	2.204	2.659	0.198
	06c	STP factor 2 = 2.5	0.721	0.263	2.169	2.633	0.235
	06d	STP factor 2 = 3	0.761	0.290	2.234	2.673	0.286
	07a	STP factor 3 = 1	0.728	0.272	2.153	2.596	0.265
	07b	STP factor 3 = 1.5	0.748	0.283	2.182	2.632	0.295
	07c	STP factor 3 = 2.5	0.805	0.314	2.284	2.795	0.350
	07d	STP factor 3 = 3	0.856	0.344	2.360	2.866	0.424
	08a	Definition of short-term quitting (years) = 1	0.757	0.285	2.213	2.687	0.290
	08b	Definition of short-term quitting (years) = 3	0.778	0.294	2.254	2.773	0.309
	09a	Relative Risk: 20% reduction	0.796	0.334	2.398	2.862	0.319
	09b	Relative Risk: 20% increase	0.713	0.246	2.022	2.508	0.262
	09c	Relative Risk: From US Surgeon General 2014	0.495	0.208	1.196	1.525	0.062
	10a	Half Life: 20% reduction	0.874	0.355	2.472	3.164	0.346
	10b	Half Life: 20% increase	0.665	0.239	1.967	2.306	0.253

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	01	Basic	2.207	1.081	5.885	7.156	1.466
	02	Simulation analysis	2.413	1.253	5.692	6.353	2.167
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	2.665	1.322	6.978	8.351	1.866
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	2.551	1.261	6.704	8.051	1.766
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	2.436	1.201	6.431	7.752	1.666
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	2.322	1.141	6.158	7.454	1.566
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	2.094	1.021	5.613	6.858	1.366
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	1.980	0.961	5.342	6.561	1.266
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	1.867	0.902	5.071	6.264	1.167
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	1.754	0.843	4.801	5.968	1.068
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	1.528	0.725	4.262	5.376	0.870
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	1.304	0.608	3.725	4.786	0.673
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	1.081	0.491	3.190	4.198	0.476
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	2.771	1.377	7.230	8.638	1.959
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	2.630	1.303	6.892	8.266	1.835
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	2.489	1.228	6.556	7.896	1.712
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	2.348	1.154	6.220	7.525	1.589
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	2.068	1.007	5.551	6.787	1.343
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	1.928	0.934	5.218	6.419	1.221
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	1.789	0.862	4.885	6.051	1.098
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	1.650	0.789	4.554	5.684	0.977
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	1.374	0.645	3.893	4.952	0.734
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	1.099	0.502	3.236	4.223	0.492
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.825	0.360	2.581	3.496	0.251
	04a	Effective dose for dual use (G) = 0.4	2.418	1.190	6.385	7.727	1.650
	04b	Effective dose for dual use (G) = 0.8	1.998	0.972	5.388	6.586	1.282
	04c	Effective dose for dual use (G) = 1.0	1.790	0.865	4.892	6.018	1.099
	04d	Effective dose for dual use (G) = 1.2	1.583	0.758	4.399	5.452	0.917
	04e	Effective dose for dual use (G) = 1.5	1.274	0.598	3.664	4.606	0.645
	04f	Effective dose for dual use (G) = 2.0	0.764	0.336	2.448	3.204	0.194
	05a	STP factor 1 = 1	2.228	1.093	5.922	7.191	1.493
	05b	STP factor 1 = 1.5	2.235	1.097	5.930	7.191	1.505
	05c	STP factor 1 = 2.5	2.205	1.080	5.874	7.134	1.467
	05d	STP factor 1 = 3	2.181	1.068	5.824	7.090	1.439
	05e	STP factor 1 = 2, factor 4 = 0.5	2.200	1.078	5.864	7.131	1.461
	05f	STP factor 1 = 2, factor 4 = 1	2.157	1.054	5.773	7.027	1.415
	05g	STP factor 1 = 2, factor 4 Ignored	2.106	1.028	5.652	6.884	1.372
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	2.244	1.101	5.960	7.218	1.509
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	2.172	1.061	5.811	7.071	1.428
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	2.165	1.059	5.791	7.043	1.425
	06a	STP factor 2 = 1	2.270	1.104	6.112	7.450	1.446
	06b	STP factor 2 = 1.5	2.202	1.068	5.957	7.242	1.397
	06c	STP factor 2 = 2.5	2.103	1.026	5.662	6.886	1.365
	06d	STP factor 2 = 3	2.108	1.025	5.727	6.882	1.351
	07a	STP factor 3 = 1	2.183	1.067	5.832	7.132	1.443
	07b	STP factor 3 = 1.5	2.157	1.053	5.776	7.033	1.420
	07c	STP factor 3 = 2.5	2.292	1.138	5.967	7.230	1.614
	07d	STP factor 3 = 3	2.320	1.154	6.005	7.255	1.658
	08a	Definition of short-term quitting (years) = 1	2.205	1.081	5.871	7.139	1.472
	08b	Definition of short-term quitting (years) = 3	2.225	1.084	5.963	7.280	1.453
	09a	Relative Risk: 20% reduction	2.335	1.267	6.232	7.443	1.620
	09b	Relative Risk: 20% increase	2.107	0.942	5.578	6.896	1.338
	09c	Relative Risk: From US Surgeon General 2014	1.550	0.704	3.937	5.752	0.283
	10a	Half Life: 20% reduction	2.585	1.353	6.593	8.179	1.777
	10b	Half Life: 20% increase	1.946	0.906	5.316	6.334	1.278

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	01	Basic	4.295	2.394	10.573	12.032	3.723
	02	Simulation analysis	3.231	1.769	8.044	9.083	2.801
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	4.929	2.758	12.111	13.693	4.280
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	4.770	2.666	11.725	13.277	4.140
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	4.611	2.575	11.340	12.861	4.000
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	4.453	2.484	10.956	12.446	3.861
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	4.138	2.304	10.191	11.619	3.584
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	3.981	2.214	9.811	11.207	3.446
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	3.825	2.125	9.431	10.795	3.308
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	3.670	2.036	9.053	10.385	3.171
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	3.360	1.860	8.299	9.566	2.897
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	3.052	1.686	7.550	8.751	2.625
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	2.746	1.513	6.804	7.938	2.354
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	5.074	2.839	12.462	14.073	4.409
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	4.878	2.727	11.987	13.561	4.236
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	4.683	2.615	11.514	13.050	4.065
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	4.489	2.504	11.043	12.540	3.893
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	4.103	2.284	10.105	11.525	3.552
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	3.911	2.175	9.639	11.020	3.383
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	3.720	2.066	9.175	10.516	3.213
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	3.530	1.958	8.712	10.013	3.045
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	3.151	1.745	7.791	9.011	2.709
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	2.776	1.533	6.877	8.014	2.375
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	2.404	1.324	5.969	7.023	2.044
	04a	Effective dose for dual use (G) = 0.4	4.581	2.554	11.267	12.786	3.978
	04b	Effective dose for dual use (G) = 0.8	4.012	2.235	9.883	11.283	3.468
	04c	Effective dose for dual use (G) = 1.0	3.731	2.078	9.199	10.537	3.215
	04d	Effective dose for dual use (G) = 1.2	3.452	1.922	8.518	9.795	2.962
	04e	Effective dose for dual use (G) = 1.5	3.036	1.691	7.506	8.689	2.587
	04f	Effective dose for dual use (G) = 2.0	2.353	1.313	5.842	6.863	1.967
	05a	STP factor 1 = 1	4.301	2.397	10.588	12.047	3.727
	05b	STP factor 1 = 1.5	4.302	2.396	10.597	12.057	3.725
	05c	STP factor 1 = 2.5	4.281	2.387	10.527	11.970	3.716
	05d	STP factor 1 = 3	4.267	2.380	10.479	11.924	3.710
	05e	STP factor 1 = 2, factor 4 = 0.5	4.261	2.376	10.477	11.909	3.699
	05f	STP factor 1 = 2, factor 4 = 1	4.205	2.344	10.345	11.761	3.646
	05g	STP factor 1 = 2, factor 4 Ignored	4.135	2.303	10.183	11.590	3.583
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	4.305	2.400	10.596	12.049	3.730
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	4.251	2.368	10.485	11.921	3.675
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	4.232	2.358	10.432	11.839	3.664
	06a	STP factor 2 = 1	4.560	2.541	11.118	12.678	3.973
	06b	STP factor 2 = 1.5	4.364	2.420	10.825	12.359	3.714
	06c	STP factor 2 = 2.5	4.148	2.300	10.330	11.873	3.535
	06d	STP factor 2 = 3	4.124	2.289	10.288	11.724	3.533
	07a	STP factor 3 = 1	4.269	2.379	10.528	12.030	3.692
	07b	STP factor 3 = 1.5	4.259	2.371	10.509	11.961	3.684
	07c	STP factor 3 = 2.5	4.346	2.427	10.592	12.029	3.826
	07d	STP factor 3 = 3	4.331	2.415	10.594	12.052	3.788
	08a	Definition of short-term quitting (years) = 1	4.286	2.385	10.584	12.041	3.701
	08b	Definition of short-term quitting (years) = 3	4.353	2.423	10.714	12.188	3.768
	09a	Relative Risk: 20% reduction	4.569	2.789	11.058	12.410	4.088
	09b	Relative Risk: 20% increase	4.083	2.097	10.140	11.688	3.417
	09c	Relative Risk: From US Surgeon General 2014	3.027	1.524	8.001	11.527	0.805
	10a	Half Life: 20% reduction	4.982	2.948	11.593	13.294	4.445
	10b	Half Life: 20% increase	3.813	2.022	9.716	10.934	3.271

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	01	Basic	1.260	0.633	2.995	3.620	0.915
	02	Simulation analysis	1.410	0.735	3.004	3.562	1.319
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	1.541	0.783	3.597	4.314	1.177
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	1.470	0.745	3.446	4.140	1.111
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	1.400	0.708	3.295	3.966	1.046
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	1.330	0.670	3.145	3.793	0.980
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	1.190	0.596	2.845	3.447	0.850
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	1.120	0.559	2.696	3.274	0.785
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	1.050	0.522	2.547	3.102	0.720
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	0.981	0.486	2.398	2.930	0.655
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	0.842	0.413	2.101	2.586	0.525
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	0.704	0.340	1.805	2.243	0.396
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	0.566	0.268	1.510	1.901	0.268
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	1.601	0.814	3.728	4.467	1.231
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	1.516	0.769	3.544	4.255	1.152
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	1.430	0.723	3.361	4.043	1.073
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	1.345	0.678	3.178	3.831	0.994
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	1.175	0.588	2.813	3.409	0.836
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	1.090	0.544	2.631	3.198	0.758
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	1.006	0.499	2.450	2.988	0.679
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	0.921	0.455	2.269	2.778	0.601
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	0.754	0.367	1.908	2.359	0.445
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	0.587	0.279	1.549	1.941	0.290
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	0.421	0.193	1.192	1.525	0.135
	04a	Effective dose for dual use (G) = 0.4	1.379	0.696	3.256	3.926	1.023
	04b	Effective dose for dual use (G) = 0.8	1.140	0.571	2.736	3.315	0.807
	04c	Effective dose for dual use (G) = 1.0	1.022	0.509	2.477	3.011	0.699
	04d	Effective dose for dual use (G) = 1.2	0.904	0.448	2.220	2.709	0.592
	04e	Effective dose for dual use (G) = 1.5	0.727	0.357	1.836	2.256	0.432
	04f	Effective dose for dual use (G) = 2.0	0.436	0.206	1.201	1.505	0.166
	05a	STP factor 1 = 1	1.266	0.637	3.006	3.635	0.924
	05b	STP factor 1 = 1.5	1.270	0.639	3.013	3.641	0.928
	05c	STP factor 1 = 2.5	1.257	0.632	2.989	3.610	0.914
	05d	STP factor 1 = 3	1.247	0.627	2.966	3.586	0.904
	05e	STP factor 1 = 2, factor 4 = 0.5	1.254	0.631	2.984	3.604	0.911
	05f	STP factor 1 = 2, factor 4 = 1	1.236	0.620	2.950	3.561	0.890
	05g	STP factor 1 = 2, factor 4 Ignored	1.212	0.607	2.903	3.504	0.867
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	1.273	0.640	3.021	3.648	0.930
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	1.244	0.624	2.968	3.587	0.896
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	1.240	0.622	2.958	3.571	0.894
	06a	STP factor 2 = 1	1.306	0.651	3.142	3.793	0.920
	06b	STP factor 2 = 1.5	1.261	0.627	3.049	3.678	0.877
	06c	STP factor 2 = 2.5	1.222	0.612	2.927	3.539	0.873
	06d	STP factor 2 = 3	1.232	0.618	2.952	3.529	0.888
	07a	STP factor 3 = 1	1.241	0.623	2.958	3.586	0.895
	07b	STP factor 3 = 1.5	1.239	0.621	2.958	3.570	0.895
	07c	STP factor 3 = 2.5	1.299	0.657	3.047	3.681	0.977
	07d	STP factor 3 = 3	1.314	0.665	3.071	3.707	0.996
	08a	Definition of short-term quitting (years) = 1	1.259	0.633	2.993	3.616	0.916
	08b	Definition of short-term quitting (years) = 3	1.272	0.637	3.036	3.678	0.917
	09a	Relative Risk: 20% reduction	1.337	0.741	3.185	3.774	1.009
	09b	Relative Risk: 20% increase	1.198	0.553	2.829	3.480	0.837
	09c	Relative Risk: From US Surgeon General 2014	0.857	0.413	1.932	2.772	0.182
	10a	Half Life: 20% reduction	1.471	0.788	3.358	4.150	1.102
	10b	Half Life: 20% increase	1.112	0.533	2.701	3.199	0.801

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	1	Basic	0.190	0.064	0.551	0.655	0.083
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	0.188	0.063	0.543	0.643	0.083
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	0.192	0.064	0.558	0.667	0.084
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	0.036	-0.013	0.234	0.244	-0.063
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	0.340	0.143	0.827	1.032	0.247
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	0.188	0.063	0.546	0.647	0.083
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	0.187	0.063	0.542	0.639	0.082
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	0.182	0.062	0.527	0.612	0.081
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	0.186	0.063	0.538	0.631	0.082
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	0.179	0.062	0.519	0.596	0.080
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	0.165	0.059	0.477	0.517	0.075
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	0.154	0.057	0.445	0.459	0.071
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.112	0.050	0.322	0.223	0.057
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	0.082	0.008	0.337	0.380	-0.027
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	0.009	-0.029	0.183	0.216	-0.099
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	-0.169	-0.117	-0.190	-0.260	-0.260
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	-0.479	-0.285	-0.761	-0.975	-0.611
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-2.518	-1.300	-4.950	-6.220	-2.604
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-4.424	-2.195	-9.138	-11.407	-4.301
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	0.187	0.062	0.545	0.648	0.081
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	0.187	0.062	0.545	0.649	0.081
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	0.193	0.065	0.559	0.664	0.085
	13d	Multiply MRTP Quitting MRTP, Dual by 2	0.196	0.066	0.566	0.673	0.087
	13e	Multiply MRTP Quitting CC Only by 0.0	-0.911	-0.426	-2.043	-2.587	-0.751
	13f	Multiply MRTP Quitting CC Only by 0.25	-0.586	-0.273	-1.313	-1.721	-0.475
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.335	-0.161	-0.720	-0.991	-0.283
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	0.066	0.007	0.274	0.290	-0.018
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	-0.003	-0.021	0.097	0.063	-0.061
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	-0.085	-0.052	-0.129	-0.240	-0.096
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	0.086	0.018	0.308	0.327	0.006
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	0.708	0.288	1.795	2.251	0.452
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	1.532	0.658	3.777	4.739	1.017
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	0.190	0.063	0.554	0.651	0.083
	14e	Multiply Switching to Dual Pcd, Pmd by 5	0.101	0.010	0.409	0.481	-0.028
	14f	Multiply Switching to Dual Pcd, Pmd by 10	0.200	0.057	0.628	0.720	0.059
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	0.190	0.064	0.551	0.656	0.083
	14h	Multiply Switching to CC Pmc, Pdc by 5	0.142	0.041	0.453	0.501	0.041
	14i	Multiply Switching to CC Pmc, Pdc by 10	0.132	0.035	0.431	0.476	0.031
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	0.063	0.003	0.273	0.310	-0.030
	14k	Multiply Switching from CC Pcm, Pcd by 5	0.771	0.322	1.932	2.422	0.500
	14l	Multiply Switching from CC Pcm, Pcd by 10	1.615	0.685	4.027	5.036	1.045
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	0.190	0.064	0.551	0.656	0.083
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	0.145	0.042	0.460	0.510	0.043
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	0.118	0.029	0.393	0.433	0.024
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	0.190	0.064	0.551	0.655	0.083
	14q	Multiply Switching from Dual Pdc, Pdm by 5	0.190	0.063	0.550	0.654	0.083
	14r	Multiply Switching from Dual Pdc, Pdm by 10	0.193	0.065	0.557	0.663	0.086
	14s	Multiply Switching to CC Pmc, Pdc by 20	0.134	0.037	0.436	0.483	0.033
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.072	0.007	0.306	0.313	-0.025
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.015	-0.025	0.199	0.193	-0.091
	14v	Multiply Switching to CC Pmc, Pdc by 150	-0.024	-0.041	0.109	0.060	-0.117
	15	Adjustment for population size	0.190	0.063	0.551	0.655	0.083

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	1	Basic	0.751	0.283	2.195	2.675	0.287
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	0.735	0.279	2.146	2.590	0.282
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	0.765	0.287	2.237	2.747	0.292
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	0.358	0.080	1.401	1.737	-0.115
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	1.134	0.492	2.927	3.490	0.704
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	0.740	0.281	2.161	2.615	0.284
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	0.733	0.279	2.144	2.578	0.282
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	0.716	0.274	2.096	2.483	0.276
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	0.728	0.277	2.129	2.544	0.279
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	0.703	0.270	2.062	2.401	0.270
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	0.644	0.255	1.898	2.069	0.250
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	0.603	0.244	1.789	1.831	0.235
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.423	0.197	1.301	0.789	0.170
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	0.445	0.128	1.575	1.923	-0.027
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	0.354	0.079	1.375	1.737	-0.106
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	-0.085	-0.149	0.499	0.725	-0.571
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	-0.718	-0.474	-0.800	-0.765	-1.206
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-4.700	-2.447	-9.358	-10.330	-5.047
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-8.261	-4.107	-17.418	-19.612	-8.242
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	0.715	0.266	2.122	2.565	0.253
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	0.741	0.279	2.169	2.641	0.279
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	0.792	0.303	2.286	2.790	0.321
	13d	Multiply MRTP Quitting MRTP, Dual by 2	0.827	0.321	2.359	2.876	0.356
	13e	Multiply MRTP Quitting CC Only by 0.0	-2.909	-1.419	-6.385	-7.671	-2.607
	13f	Multiply MRTP Quitting CC Only by 0.25	-2.039	-1.024	-4.367	-5.156	-1.891
	13g	Multiply MRTP Quitting CC Only by 0.5	-1.271	-0.666	-2.578	-2.983	-1.278
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	0.408	0.119	1.371	1.783	0.025
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.041	-0.049	0.521	0.728	-0.274
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	-0.366	-0.253	-0.386	-0.321	-0.620
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	0.439	0.138	1.419	1.857	0.063
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	2.450	1.059	6.404	7.742	1.432
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	4.816	2.238	11.857	14.160	3.247
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	0.764	0.284	2.237	2.745	0.292
	14e	Multiply Switching to Dual Pcd, Pmd by 5	0.823	0.291	2.516	3.123	0.234
	14f	Multiply Switching to Dual Pcd, Pmd by 10	1.037	0.384	3.097	3.795	0.339
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	0.770	0.293	2.231	2.731	0.307
	14h	Multiply Switching to CC Pmc, Pdc by 5	0.608	0.204	1.943	2.446	0.101
	14i	Multiply Switching to CC Pmc, Pdc by 10	0.522	0.160	1.783	2.238	0.003
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	0.386	0.117	1.272	1.674	0.035
	14k	Multiply Switching from CC Pcm, Pcd by 5	2.630	1.165	6.741	8.195	1.600
	14l	Multiply Switching from CC Pcm, Pcd by 10	5.057	2.337	12.563	14.854	3.354
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	0.761	0.288	2.212	2.710	0.298
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	0.616	0.210	1.941	2.433	0.125
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	0.496	0.153	1.682	2.082	0.018
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	0.757	0.287	2.204	2.684	0.296
	14q	Multiply Switching from Dual Pdc, Pdm by 5	0.742	0.277	2.192	2.682	0.264
	14r	Multiply Switching from Dual Pdc, Pdm by 10	0.743	0.277	2.199	2.687	0.262
	14s	Multiply Switching to CC Pmc, Pdc by 20	0.473	0.135	1.683	2.077	-0.041
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.277	0.045	1.226	1.522	-0.200
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.016	-0.082	0.665	0.777	-0.435
	14v	Multiply Switching to CC Pmc, Pdc by 150	-0.105	-0.139	0.372	0.432	-0.518
	15	Adjustment for population size	0.751	0.283	2.195	2.673	0.288

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	1	Basic	2.207	1.081	5.885	7.156	1.466
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	2.146	1.063	5.685	6.838	1.443
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	2.255	1.096	6.035	7.410	1.484
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	1.661	0.773	4.725	5.930	0.902
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	2.789	1.392	7.240	8.624	1.994
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	2.170	1.070	5.764	6.957	1.451
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	2.143	1.062	5.679	6.811	1.440
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	2.088	1.044	5.510	6.520	1.418
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	2.115	1.055	5.604	6.631	1.423
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	2.034	1.031	5.368	6.156	1.385
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	1.854	0.975	4.829	5.141	1.308
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	1.744	0.939	4.512	4.503	1.259
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	1.305	0.791	3.236	2.004	1.075
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	1.795	0.856	4.941	6.183	1.075
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	1.682	0.798	4.660	5.909	0.977
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	1.190	0.511	3.709	4.978	0.400
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	0.279	0.025	1.620	2.703	-0.457
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-4.693	-2.595	-9.862	-9.143	-5.258
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-9.282	-4.905	-20.686	-20.458	-9.719
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	2.106	1.026	5.673	6.896	1.359
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	2.165	1.059	5.789	7.031	1.425
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	2.307	1.134	6.105	7.416	1.563
	13d	Multiply MRTP Quitting MRTP, Dual by 2	2.363	1.161	6.258	7.582	1.600
	13e	Multiply MRTP Quitting CC Only by 0.0	-4.711	-2.471	-10.807	-11.479	-4.579
	13f	Multiply MRTP Quitting CC Only by 0.25	-3.057	-1.631	-6.936	-7.240	-2.996
	13g	Multiply MRTP Quitting CC Only by 0.5	-1.553	-0.874	-3.244	-3.084	-1.709
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	1.581	0.759	4.254	5.350	1.018
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.932	0.413	2.756	3.694	0.418
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.260	0.059	1.144	1.841	-0.144
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	1.618	0.781	4.350	5.398	1.049
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	5.616	2.907	14.166	16.204	4.255
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	9.797	5.293	23.768	26.168	7.914
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	2.220	1.087	5.928	7.160	1.476
	14e	Multiply Switching to Dual Pcd, Pmd by 5	2.500	1.213	6.841	8.282	1.538
	14f	Multiply Switching to Dual Pcd, Pmd by 10	2.970	1.466	7.959	9.459	1.947
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	2.238	1.097	5.949	7.226	1.498
	14h	Multiply Switching to CC Pmc, Pdc by 5	2.114	1.040	5.593	6.835	1.422
	14i	Multiply Switching to CC Pmc, Pdc by 10	1.931	0.943	5.202	6.345	1.235
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	1.494	0.719	4.021	5.013	0.966
	14k	Multiply Switching from CC Pcm, Pcd by 5	5.886	3.081	14.613	16.478	4.628
	14l	Multiply Switching from CC Pcm, Pcd by 10	10.011	5.415	24.445	26.725	7.974
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	2.233	1.094	5.941	7.211	1.494
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	2.093	1.029	5.550	6.789	1.399
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	1.897	0.920	5.148	6.393	1.178
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	2.208	1.082	5.885	7.156	1.467
	14q	Multiply Switching from Dual Pdc, Pdm by 5	2.230	1.093	5.937	7.203	1.487
	14r	Multiply Switching from Dual Pdc, Pdm by 10	2.198	1.079	5.840	7.065	1.477
	14s	Multiply Switching to CC Pmc, Pdc by 20	1.816	0.884	4.939	6.039	1.127
	14t	Multiply Switching to CC Pmc, Pdc by 50	1.473	0.721	3.998	5.048	0.886
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.980	0.456	2.941	3.750	0.385
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.713	0.316	2.288	3.087	0.158
	15	Adjustment for population size	2.202	1.074	5.877	7.147	1.462

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	1	Basic	4.295	2.394	10.573	12.032	3.723
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	4.174	2.350	10.167	11.404	3.670
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	4.396	2.428	10.915	12.546	3.766
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	3.556	1.958	8.872	10.128	3.042
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	5.080	2.855	12.351	13.969	4.476
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	4.223	2.365	10.336	11.665	3.692
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	4.179	2.351	10.189	11.420	3.672
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	4.058	2.302	9.798	10.830	3.617
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	4.096	2.323	9.940	10.935	3.623
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	3.940	2.271	9.464	10.015	3.541
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	3.556	2.125	8.234	8.035	3.363
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	3.347	2.047	7.596	6.878	3.258
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	2.572	1.730	5.229	2.849	2.882
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	3.701	2.048	9.133	10.358	3.227
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	3.580	1.981	8.824	10.138	3.110
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	3.055	1.663	7.734	9.005	2.543
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	1.905	0.993	5.151	6.354	1.385
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-3.822	-2.249	-8.206	-7.450	-4.230
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-8.935	-5.009	-20.297	-19.755	-9.446
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	4.100	2.280	10.162	11.553	3.516
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	4.195	2.336	10.360	11.793	3.614
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	4.472	2.492	10.994	12.477	3.894
	13d	Multiply MRTP Quitting MRTP, Dual by 2	4.600	2.559	11.330	12.825	4.001
	13e	Multiply MRTP Quitting CC Only by 0.0	-5.469	-2.999	-13.240	-13.794	-5.207
	13f	Multiply MRTP Quitting CC Only by 0.25	-3.221	-1.815	-7.632	-7.502	-3.153
	13g	Multiply MRTP Quitting CC Only by 0.5	-1.065	-0.662	-2.226	-1.467	-1.233
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	3.367	1.833	8.510	9.919	2.810
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	2.544	1.358	6.545	7.791	2.073
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	1.473	0.745	4.012	5.291	1.043
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	3.352	1.836	8.437	9.828	2.801
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	9.092	5.260	21.976	24.111	7.899
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	14.170	8.543	33.032	34.647	12.700
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	4.283	2.380	10.634	12.113	3.658
	14e	Multiply Switching to Dual Pcd, Pmd by 5	5.061	2.823	12.630	14.296	4.267
	14f	Multiply Switching to Dual Pcd, Pmd by 10	5.588	3.132	13.960	15.687	4.684
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	4.322	2.409	10.636	12.098	3.747
	14h	Multiply Switching to CC Pmc, Pdc by 5	4.129	2.308	10.043	11.441	3.648
	14i	Multiply Switching to CC Pmc, Pdc by 10	3.827	2.141	9.308	10.582	3.382
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	3.184	1.737	8.011	9.375	2.672
	14k	Multiply Switching from CC Pcm, Pcd by 5	9.271	5.396	22.089	24.003	8.253
	14l	Multiply Switching from CC Pcm, Pcd by 10	14.343	8.680	33.554	35.044	12.724
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	4.307	2.399	10.609	12.070	3.730
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	4.099	2.291	10.008	11.406	3.594
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	3.882	2.174	9.421	10.766	3.433
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	4.300	2.398	10.569	12.021	3.735
	14q	Multiply Switching from Dual Pdc, Pdm by 5	4.325	2.411	10.614	12.057	3.774
	14r	Multiply Switching from Dual Pdc, Pdm by 10	4.278	2.382	10.495	11.885	3.748
	14s	Multiply Switching to CC Pmc, Pdc by 20	3.692	2.076	8.901	10.087	3.300
	14t	Multiply Switching to CC Pmc, Pdc by 50	3.155	1.784	7.475	8.650	2.867
	14u	Multiply Switching to CC Pmc, Pdc by 100	2.513	1.413	6.075	7.096	2.205
	14v	Multiply Switching to CC Pmc, Pdc by 150	2.125	1.193	5.137	6.075	1.854
	15	Adjustment for population size	4.270	2.367	10.549	12.010	3.698

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	1	Basic	1.260	0.633	2.995	3.620	0.915
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	1.227	0.623	2.902	3.466	0.902
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	1.285	0.641	3.068	3.745	0.925
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	0.886	0.427	2.259	2.767	0.524
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	1.632	0.838	3.733	4.465	1.303
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	1.240	0.627	2.939	3.525	0.907
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	1.227	0.623	2.904	3.461	0.902
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	1.193	0.611	2.810	3.304	0.887
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	1.209	0.618	2.857	3.357	0.891
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	1.162	0.603	2.735	3.110	0.869
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	1.057	0.569	2.450	2.583	0.822
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	0.993	0.548	2.283	2.245	0.793
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	0.732	0.458	1.589	0.931	0.678
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	0.979	0.480	2.428	2.963	0.633
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	0.901	0.439	2.252	2.787	0.560
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	0.554	0.246	1.590	2.043	0.174
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	-0.038	-0.074	0.401	0.681	-0.444
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-3.439	-1.855	-6.733	-7.281	-3.864
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-6.527	-3.389	-13.464	-14.925	-6.888
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	1.202	0.602	2.885	3.481	0.853
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	1.233	0.619	2.942	3.554	0.888
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	1.314	0.662	3.105	3.751	0.970
	13d	Multiply MRTP Quitting MRTP, Dual by 2	1.351	0.681	3.190	3.845	1.000
	13e	Multiply MRTP Quitting CC Only by 0.0	-2.765	-1.436	-5.846	-6.654	-2.735
	13f	Multiply MRTP Quitting CC Only by 0.25	-1.798	-0.950	-3.739	-4.189	-1.818
	13g	Multiply MRTP Quitting CC Only by 0.5	-0.917	-0.502	-1.796	-1.899	-1.020
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	0.882	0.432	2.166	2.690	0.582
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	0.522	0.244	1.375	1.770	0.261
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	0.106	0.023	0.474	0.747	-0.117
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	0.901	0.445	2.195	2.724	0.605
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	3.185	1.660	7.281	8.535	2.529
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	5.603	3.022	12.400	14.187	4.699
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	1.259	0.630	3.010	3.639	0.902
	14e	Multiply Switching to Dual Pcd, Pmd by 5	1.428	0.711	3.473	4.196	0.972
	14f	Multiply Switching to Dual Pcd, Pmd by 10	1.680	0.845	4.058	4.832	1.171
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	1.275	0.641	3.025	3.658	0.930
	14h	Multiply Switching to CC Pmc, Pdc by 5	1.166	0.587	2.782	3.379	0.834
	14i	Multiply Switching to CC Pmc, Pdc by 10	1.068	0.534	2.585	3.127	0.733
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	0.828	0.407	2.026	2.528	0.548
	14k	Multiply Switching from CC Pcm, Pcd by 5	3.336	1.754	7.521	8.770	2.728
	14l	Multiply Switching from CC Pcm, Pcd by 10	5.759	3.101	12.854	14.625	4.746
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	1.268	0.638	3.012	3.642	0.925
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	1.158	0.583	2.765	3.353	0.825
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	1.051	0.527	2.544	3.097	0.719
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	1.262	0.635	2.997	3.622	0.919
	14q	Multiply Switching from Dual Pdc, Pdm by 5	1.267	0.637	3.011	3.641	0.923
	14r	Multiply Switching from Dual Pdc, Pdm by 10	1.258	0.633	2.984	3.602	0.922
	14s	Multiply Switching to CC Pmc, Pdc by 20	1.017	0.510	2.468	2.979	0.692
	14t	Multiply Switching to CC Pmc, Pdc by 50	0.804	0.404	1.973	2.420	0.516
	14u	Multiply Switching to CC Pmc, Pdc by 100	0.524	0.252	1.420	1.740	0.222
	14v	Multiply Switching to CC Pmc, Pdc by 150	0.363	0.166	1.076	1.357	0.071
	15	Adjustment for population size	1.255	0.629	2.991	3.615	0.911

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	1	Basic	0.190	0.064	0.551	0.655	0.083
	16a	All smokers become quitters	14.054	6.420	34.541	39.237	9.442
	16b	All CC smokers become MRTP	10.717	4.867	26.194	30.412	7.285
	16c	Whole population become MRTP	-0.731	-0.689	0.404	0.715	-2.193
	16d	CC only switchers become quitters	6.050	2.652	14.917	17.812	4.093
	17a	Alternative 1: LLLL	1.741	0.756	4.241	5.276	1.207
	17b	Alternative 2: LLLS	1.709	0.739	4.177	5.193	1.176
	17c	Alternative 3: LLSL	1.621	0.709	3.921	4.908	1.136
	17d	Alternative 4: LLSS	1.574	0.684	3.834	4.789	1.085
	17e	Alternative 5: LSLL	0.188	0.072	0.497	0.563	0.121
	17f	Alternative 6: LSLS	0.168	0.063	0.453	0.508	0.105
	17g	Alternative 7: LSSL	0.139	0.050	0.392	0.403	0.080
	17h	Alternative 8: LSSS	0.118	0.039	0.352	0.352	0.056
	17i	Alternative 9: SLLL	0.904	0.389	2.226	2.781	0.606
	17j	Alternative 10: SLLS	0.821	0.348	2.051	2.556	0.529
	17k	Alternative 11: SLSL	0.864	0.376	2.108	2.641	0.591
	17l	Alternative 12: SLSS	0.757	0.322	1.892	2.361	0.484
	17o	Alternative 13: SSLL	-0.009	-0.022	0.077	0.025	-0.058
	17p	Alternative 14: SSLS	-0.054	-0.044	-0.018	-0.102	-0.099
	17q	Alternative 15: SSSL	-0.040	-0.036	0.012	-0.087	-0.085
	17r	Alternative 16: SSSS	-0.083	-0.059	-0.068	-0.190	-0.133
	18a	Alternative 1: LLLL	0.429	0.174	1.089	1.320	0.286
	18b	Alternative 2: LLLS	0.410	0.165	1.047	1.268	0.270
	18c	Alternative 3: LLSL	0.428	0.174	1.086	1.315	0.285
	18d	Alternative 4: LLSS	0.410	0.165	1.044	1.268	0.271
	18e	Alternative 5: LSLL	0.188	0.072	0.497	0.563	0.121
	18f	Alternative 6: LSLS	0.168	0.063	0.453	0.508	0.105
	18g	Alternative 7: LSSL	0.188	0.073	0.497	0.563	0.121
	18h	Alternative 8: LSSS	0.170	0.064	0.453	0.512	0.107
	18i	Alternative 9: SLLL	0.177	0.055	0.532	0.620	0.070
	18j	Alternative 10: SLLS	0.133	0.033	0.439	0.498	0.031
	18k	Alternative 11: SLSL	0.176	0.054	0.535	0.621	0.066
	18l	Alternative 12: SLSS	0.137	0.036	0.443	0.518	0.035
	18o	Alternative 13: SSLL	0.041	0.002	0.182	0.160	-0.013
	18p	Alternative 14: SSLS	0.002	-0.017	0.100	0.051	-0.048
	18q	Alternative 15: SSSL	0.044	0.003	0.194	0.172	-0.012
	18r	Alternative 16: SSSS	0.010	-0.013	0.111	0.078	-0.039
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	-0.059	-0.057	0.019	-0.071	-0.129
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	-0.243	-0.148	-0.354	-0.539	-0.316
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	-0.418	-0.236	-0.729	-0.945	-0.484
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.502	-0.271	-0.958	-1.181	-0.532
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.708	-0.372	-1.364	-1.749	-0.738

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	1	Basic	0.751	0.283	2.195	2.675	0.287
	16a	All smokers become quitters	27.081	14.816	61.713	65.888	19.780
	16b	All CC smokers become MRTP	20.117	10.667	46.231	50.379	14.872
	16c	Whole population become MRTP	0.417	-0.100	3.175	5.064	-1.540
	16d	CC only switchers become quitters	16.429	8.169	39.465	44.210	11.466
	17a	Alternative 1: LLLL	5.549	2.578	13.593	16.250	3.812
	17b	Alternative 2: LLLS	5.361	2.480	13.200	15.772	3.641
	17c	Alternative 3: LLSL	4.944	2.307	12.031	14.542	3.426
	17d	Alternative 4: LLSS	4.789	2.226	11.710	14.165	3.276
	17e	Alternative 5: LSLL	0.518	0.176	1.610	2.037	0.126
	17f	Alternative 6: LSLS	0.393	0.116	1.340	1.680	0.012
	17g	Alternative 7: LSSL	0.325	0.076	1.228	1.630	-0.087
	17h	Alternative 8: LSSS	0.229	0.030	1.018	1.358	-0.172
	17i	Alternative 9: SLLL	3.032	1.386	7.486	9.194	2.022
	17j	Alternative 10: SLLS	2.466	1.106	6.240	7.707	1.526
	17k	Alternative 11: SLSL	2.724	1.251	6.683	8.329	1.823
	17l	Alternative 12: SLSS	2.223	1.004	5.583	7.025	1.379
	17o	Alternative 13: SSLL	0.001	-0.076	0.479	0.654	-0.336
	17p	Alternative 14: SSLS	-0.237	-0.192	-0.023	0.027	-0.566
	17q	Alternative 15: SSSL	-0.125	-0.145	0.254	0.434	-0.496
	17r	Alternative 16: SSSS	-0.304	-0.231	-0.134	-0.056	-0.661
	18a	Alternative 1: LLLL	1.441	0.593	3.895	4.729	0.770
	18b	Alternative 2: LLLS	1.319	0.534	3.635	4.394	0.655
	18c	Alternative 3: LLSL	1.408	0.579	3.809	4.614	0.752
	18d	Alternative 4: LLSS	1.288	0.523	3.543	4.278	0.646
	18e	Alternative 5: LSLL	0.518	0.176	1.610	2.037	0.126
	18f	Alternative 6: LSLS	0.393	0.116	1.340	1.680	0.012
	18g	Alternative 7: LSSL	0.502	0.168	1.571	1.986	0.115
	18h	Alternative 8: LSSS	0.382	0.113	1.298	1.636	0.015
	18i	Alternative 9: SLLL	0.782	0.276	2.400	2.941	0.218
	18j	Alternative 10: SLLS	0.538	0.156	1.886	2.304	-0.018
	18k	Alternative 11: SLSL	0.758	0.265	2.347	2.855	0.200
	18l	Alternative 12: SLSS	0.524	0.156	1.816	2.197	-0.000
	18o	Alternative 13: SSLL	0.130	-0.013	0.761	0.999	-0.221
	18p	Alternative 14: SSLS	-0.080	-0.116	0.317	0.439	-0.422
	18q	Alternative 15: SSSL	0.128	-0.015	0.763	0.996	-0.225
	18r	Alternative 16: SSSS	-0.071	-0.106	0.299	0.419	-0.387
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	0.075	-0.067	0.787	1.078	-0.369
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	-0.365	-0.268	-0.254	-0.177	-0.716
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	-0.786	-0.476	-1.179	-1.208	-1.104
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-1.215	-0.676	-2.123	-2.398	-1.495
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-1.648	-0.899	-3.014	-3.387	-1.938

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	1	Basic	2.207	1.081	5.885	7.156	1.466
	16a	All smokers become quitters	38.346	25.581	81.372	82.317	30.966
	16b	All CC smokers become MRTP	27.896	17.581	61.048	62.947	23.088
	16c	Whole population become MRTP	2.035	1.042	5.885	7.993	0.707
	16d	CC only switchers become quitters	26.861	16.221	61.933	64.178	21.296
	17a	Alternative 1: LLLL	11.118	6.028	26.968	29.448	8.983
	17b	Alternative 2: LLLS	10.696	5.795	25.961	28.404	8.624
	17c	Alternative 3: LLSL	9.833	5.344	23.574	25.812	8.139
	17d	Alternative 4: LLSS	9.485	5.161	22.676	24.845	7.886
	17e	Alternative 5: LSLL	1.737	0.833	4.699	5.819	1.113
	17f	Alternative 6: LSLS	1.481	0.698	4.129	5.200	0.856
	17g	Alternative 7: LSSL	1.473	0.709	3.982	4.956	0.938
	17h	Alternative 8: LSSS	1.249	0.593	3.462	4.378	0.726
	17i	Alternative 9: SLLL	6.524	3.468	15.793	17.580	5.397
	17j	Alternative 10: SLLS	5.130	2.742	12.326	13.812	4.271
	17k	Alternative 11: SLSL	5.919	3.168	14.127	15.705	5.022
	17l	Alternative 12: SLSS	4.665	2.522	10.941	12.203	4.059
	17o	Alternative 13: SSLL	0.953	0.431	2.788	3.620	0.455
	17p	Alternative 14: SSLS	0.465	0.181	1.662	2.375	-0.016
	17q	Alternative 15: SSSL	0.807	0.367	2.383	3.089	0.366
	17r	Alternative 16: SSSS	0.388	0.154	1.393	1.980	-0.024
	18a	Alternative 1: LLLL	3.463	1.725	9.105	10.655	2.417
	18b	Alternative 2: LLLS	3.224	1.602	8.541	10.025	2.198
	18c	Alternative 3: LLSL	3.323	1.652	8.777	10.246	2.296
	18d	Alternative 4: LLSS	3.077	1.527	8.179	9.599	2.077
	18e	Alternative 5: LSLL	1.737	0.833	4.699	5.819	1.113
	18f	Alternative 6: LSLS	1.481	0.698	4.129	5.200	0.856
	18g	Alternative 7: LSSL	1.659	0.794	4.516	5.601	1.042
	18h	Alternative 8: LSSS	1.405	0.662	3.928	4.964	0.800
	18i	Alternative 9: SLLL	2.370	1.152	6.442	7.737	1.500
	18j	Alternative 10: SLLS	1.871	0.898	5.241	6.392	1.057
	18k	Alternative 11: SLSL	2.253	1.091	6.189	7.410	1.384
	18l	Alternative 12: SLSS	1.735	0.829	4.920	6.015	0.935
	18o	Alternative 13: SSLL	1.147	0.531	3.262	4.167	0.618
	18p	Alternative 14: SSLS	0.717	0.309	2.273	3.077	0.201
	18q	Alternative 15: SSSL	1.094	0.504	3.147	4.016	0.564
	18r	Alternative 16: SSSS	0.648	0.277	2.084	2.852	0.154
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	1.217	0.539	3.659	4.842	0.505
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.501	0.174	1.829	2.808	-0.038
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	-0.160	-0.163	0.212	0.940	-0.593
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.814	-0.520	-1.177	-0.508	-1.295
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-1.419	-0.835	-2.562	-1.982	-1.892

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	1	Basic	4.295	2.394	10.573	12.032	3.723
	16a	All smokers become quitters	47.158	35.857	90.841	89.961	40.413
	16b	All CC smokers become MRTP	33.732	23.818	68.505	69.050	30.144
	16c	Whole population become MRTP	3.060	1.846	7.315	8.789	2.440
	16d	CC only switchers become quitters	34.685	23.965	74.616	74.429	29.566
	17a	Alternative 1: LLLL	16.045	9.708	37.824	39.638	14.010
	17b	Alternative 2: LLLS	15.289	9.242	35.988	37.839	13.388
	17c	Alternative 3: LLSL	14.100	8.490	32.940	34.544	12.612
	17d	Alternative 4: LLSS	13.419	8.069	31.310	32.872	12.045
	17e	Alternative 5: LSLL	3.494	1.899	8.917	10.366	2.864
	17f	Alternative 6: LSLS	3.136	1.708	7.982	9.356	2.567
	17g	Alternative 7: LSSL	3.037	1.668	7.579	8.788	2.584
	17h	Alternative 8: LSSS	2.678	1.476	6.661	7.821	2.270
	17i	Alternative 9: SLLL	9.688	5.664	23.015	24.408	8.715
	17j	Alternative 10: SLLS	7.177	4.222	16.666	17.822	6.651
	17k	Alternative 11: SLSL	8.689	5.095	20.339	21.512	8.010
	17l	Alternative 12: SLSS	6.428	3.789	14.702	15.559	6.130
	17o	Alternative 13: SSLL	2.470	1.330	6.343	7.482	2.006
	17p	Alternative 14: SSLS	1.706	0.926	4.351	5.316	1.363
	17q	Alternative 15: SSSL	2.179	1.190	5.450	6.362	1.854
	17r	Alternative 16: SSSS	1.513	0.834	3.743	4.535	1.273
	18a	Alternative 1: LLLL	6.135	3.421	15.479	17.167	5.106
	18b	Alternative 2: LLLS	5.771	3.226	14.502	16.139	4.821
	18c	Alternative 3: LLSL	5.956	3.318	15.054	16.666	4.951
	18d	Alternative 4: LLSS	5.561	3.107	13.982	15.532	4.647
	18e	Alternative 5: LSLL	3.494	1.899	8.917	10.366	2.864
	18f	Alternative 6: LSLS	3.136	1.708	7.982	9.356	2.567
	18g	Alternative 7: LSSL	3.405	1.853	8.678	10.077	2.798
	18h	Alternative 8: LSSS	3.031	1.652	7.715	9.045	2.481
	18i	Alternative 9: SLLL	4.689	2.587	11.920	13.335	3.880
	18j	Alternative 10: SLLS	3.838	2.128	9.699	10.946	3.181
	18k	Alternative 11: SLSL	4.558	2.514	11.593	12.952	3.771
	18l	Alternative 12: SLSS	3.666	2.034	9.253	10.424	3.046
	18o	Alternative 13: SSLL	2.723	1.470	6.980	8.198	2.219
	18p	Alternative 14: SSLS	2.059	1.118	5.246	6.317	1.661
	18q	Alternative 15: SSSL	2.665	1.441	6.829	7.994	2.175
	18r	Alternative 16: SSSS	1.969	1.069	5.024	6.056	1.585
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	3.041	1.651	7.809	9.161	2.451
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	1.942	1.023	5.127	6.119	1.515
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	0.930	0.454	2.700	3.485	0.577
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	0.235	0.070	0.965	1.564	-0.018
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-0.477	-0.322	-0.736	-0.124	-0.725

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			% drop in attributable deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	1	Basic	1.260	0.633	2.995	3.620	0.915
	16a	All smokers become quitters	25.525	15.996	52.705	55.991	20.712
	16b	All CC smokers become MRTP	18.748	11.153	39.645	42.963	15.532
	16c	Whole population become MRTP	0.807	0.294	3.041	4.111	-0.393
	16d	CC only switchers become quitters	16.321	9.570	35.139	38.192	13.256
	17a	Alternative 1: LLLL	6.379	3.447	14.142	16.108	5.320
	17b	Alternative 2: LLLS	6.134	3.309	13.625	15.544	5.100
	17c	Alternative 3: LLSL	5.657	3.057	12.438	14.247	4.809
	17d	Alternative 4: LLSS	5.439	2.936	11.972	13.727	4.617
	17e	Alternative 5: LSLL	1.006	0.496	2.441	3.000	0.694
	17f	Alternative 6: LSLS	0.867	0.424	2.147	2.656	0.559
	17g	Alternative 7: LSSL	0.822	0.404	2.027	2.494	0.536
	17h	Alternative 8: LSSS	0.696	0.338	1.761	2.185	0.414
	17i	Alternative 9: SLLL	3.677	1.951	8.154	9.448	3.117
	17j	Alternative 10: SLLS	2.884	1.525	6.422	7.491	2.421
	17k	Alternative 11: SLSL	3.323	1.773	7.281	8.470	2.878
	17l	Alternative 12: SLSS	2.598	1.384	5.698	6.664	2.243
	17o	Alternative 13: SSLL	0.503	0.236	1.342	1.688	0.240
	17p	Alternative 14: SSLS	0.225	0.093	0.754	1.001	-0.034
	17q	Alternative 15: SSSL	0.390	0.180	1.092	1.366	0.139
	17r	Alternative 16: SSSS	0.152	0.058	0.587	0.781	-0.092
	18a	Alternative 1: LLLL	2.031	1.027	4.796	5.649	1.525
	18b	Alternative 2: LLLS	1.895	0.957	4.499	5.305	1.400
	18c	Alternative 3: LLSL	1.962	0.990	4.652	5.472	1.463
	18d	Alternative 4: LLSS	1.824	0.920	4.340	5.116	1.341
	18e	Alternative 5: LSLL	1.006	0.496	2.441	3.000	0.694
	18f	Alternative 6: LSLS	0.867	0.424	2.147	2.656	0.559
	18g	Alternative 7: LSSL	0.971	0.477	2.366	2.907	0.662
	18h	Alternative 8: LSSS	0.832	0.406	2.065	2.557	0.532
	18i	Alternative 9: SLLL	1.360	0.674	3.323	3.951	0.931
	18j	Alternative 10: SLLS	1.066	0.522	2.690	3.213	0.656
	18k	Alternative 11: SLSL	1.304	0.644	3.213	3.812	0.875
	18l	Alternative 12: SLSS	1.009	0.493	2.556	3.055	0.611
	18o	Alternative 13: SSLL	0.628	0.300	1.615	2.015	0.353
	18p	Alternative 14: SSLS	0.384	0.175	1.099	1.412	0.114
	18q	Alternative 15: SSSL	0.607	0.289	1.577	1.962	0.330
	18r	Alternative 16: SSSS	0.360	0.163	1.034	1.335	0.101
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	0.638	0.293	1.736	2.207	0.280
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	0.163	0.045	0.698	0.987	-0.142
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	-0.264	-0.177	-0.224	-0.081	-0.540
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-0.636	-0.372	-1.005	-0.982	-0.910
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-1.009	-0.565	-1.788	-1.875	-1.284

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	01	Basic	755.95	153.65	433.88	82.39	86.03
	02	Simulation analysis	618.17	112.95	369.82	64.73	70.67
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	852.35	170.47	492.76	92.83	96.28
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	828.23	166.27	478.03	90.22	93.72
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	804.13	162.06	463.31	87.61	91.16
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	780.03	157.85	448.59	85.00	88.59
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	731.88	149.45	419.18	79.78	83.47
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	707.82	145.26	404.48	77.17	80.91
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	683.77	141.06	389.80	74.57	78.35
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	659.74	136.87	375.11	71.96	75.79
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	611.69	128.49	345.77	66.75	70.68
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	563.70	120.12	316.46	61.55	65.57
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	515.74	111.76	287.18	56.35	60.46
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	889.41	177.45	514.16	96.87	100.93
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	856.02	171.49	494.07	93.25	97.20
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	822.64	165.54	474.00	89.63	93.48
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	789.29	159.59	453.93	86.01	89.75
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	722.64	147.72	413.84	78.77	82.31
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	689.35	141.78	393.82	75.16	78.59
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	656.07	135.85	373.80	71.54	74.88
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	622.82	129.93	353.80	67.93	71.16
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	556.38	118.10	313.84	60.70	63.74
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	490.02	106.28	273.92	53.49	56.33
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	423.74	94.49	234.05	46.28	48.92
	04a	Effective dose for dual use (G) = 0.4	829.99	167.58	476.62	90.48	95.31
	04b	Effective dose for dual use (G) = 0.8	682.02	139.75	391.19	74.31	76.76
	04c	Effective dose for dual use (G) = 1.0	608.19	125.89	348.55	66.24	67.51
	04d	Effective dose for dual use (G) = 1.2	534.46	112.04	305.97	58.17	58.27
	04e	Effective dose for dual use (G) = 1.5	424.06	91.33	242.20	46.09	44.44
	04f	Effective dose for dual use (G) = 2.0	240.57	56.96	136.18	25.99	21.44
	05a	STP factor 1 = 1	758.16	153.79	435.78	82.54	86.05
	05b	STP factor 1 = 1.5	758.16	153.79	435.78	82.54	86.05
	05c	STP factor 1 = 2.5	749.08	152.05	430.06	81.72	85.26
	05d	STP factor 1 = 3	746.06	151.71	427.80	81.38	85.18
	05e	STP factor 1 = 2, factor 4 = 0.5	755.95	153.65	433.88	82.39	86.03
	05f	STP factor 1 = 2, factor 4 = 1	755.95	153.65	433.88	82.39	86.03
	05g	STP factor 1 = 2, factor 4 Ignored	756.49	153.72	434.26	82.45	86.05
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	761.30	153.98	438.49	82.74	86.09
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	755.95	153.65	433.88	82.39	86.03
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	756.49	153.72	434.26	82.45	86.05
	06a	STP factor 2 = 1	765.06	154.23	441.48	82.61	86.74
	06b	STP factor 2 = 1.5	743.67	149.52	431.24	79.95	82.96
	06c	STP factor 2 = 2.5	724.05	149.92	409.93	78.37	85.84
	06d	STP factor 2 = 3	704.13	146.15	397.01	77.12	83.85
	07a	STP factor 3 = 1	786.11	161.57	446.50	85.00	93.04
	07b	STP factor 3 = 1.5	787.89	160.66	450.20	84.72	92.31
	07c	STP factor 3 = 2.5	798.06	161.60	458.72	86.33	91.41
	07d	STP factor 3 = 3	760.02	155.46	434.42	82.69	87.44
	08a	Definition of short-term quitting (years) = 1	750.45	153.60	428.64	81.99	86.22
	08b	Definition of short-term quitting (years) = 3	775.47	154.38	451.60	84.38	85.11
	09a	Relative Risk: 20% reduction	711.64	173.51	380.63	70.21	87.29
	09b	Relative Risk: 20% increase	791.54	137.43	477.46	93.17	83.49
	09c	Relative Risk: From US Surgeon General 2014	894.52	86.39	624.70	154.28	29.14
	10a	Half Life: 20% reduction	941.77	207.61	526.60	98.17	109.38
	10b	Half Life: 20% increase	631.44	121.27	367.42	70.70	72.05

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	01	Basic	2030.59	446.09	1083.32	174.16	327.01
	02	Simulation analysis	1849.77	348.28	1102.31	171.11	228.07
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	2363.98	509.85	1283.06	203.39	367.68
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	2280.45	493.86	1233.02	196.07	357.50
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	2197.04	477.91	1183.05	188.76	347.32
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	2113.75	461.98	1133.15	181.46	337.16
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	1947.55	430.23	1033.56	166.87	316.88
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	1864.63	414.41	983.88	159.59	306.75
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	1781.84	398.61	934.27	152.31	296.64
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	1699.16	382.85	884.72	145.04	286.55
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	1534.18	351.42	785.85	130.52	266.39
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	1369.69	320.12	687.27	116.01	246.29
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	1205.67	288.94	588.96	101.54	226.24
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	2460.80	529.78	1338.31	211.40	381.32
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	2352.94	508.77	1274.39	202.07	367.71
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	2245.29	487.82	1210.58	192.76	354.12
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	2137.84	466.93	1146.89	183.46	340.55
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	1923.54	425.31	1019.86	164.88	313.49
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	1816.70	404.58	956.51	155.61	300.00
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	1710.05	383.91	893.27	146.34	286.53
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	1603.60	363.30	830.14	137.09	273.08
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	1391.31	322.23	704.23	118.60	246.25
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	1179.80	281.37	578.76	100.16	219.52
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	969.08	240.74	453.72	81.75	192.87
	04a	Effective dose for dual use (G) = 0.4	2223.29	485.68	1193.29	190.15	354.17
	04b	Effective dose for dual use (G) = 0.8	1838.55	406.72	973.66	158.21	299.96
	04c	Effective dose for dual use (G) = 1.0	1647.18	367.56	864.32	142.29	273.01
	04d	Effective dose for dual use (G) = 1.2	1456.47	328.62	755.30	126.39	246.17
	04e	Effective dose for dual use (G) = 1.5	1171.63	270.60	592.34	102.59	206.09
	04f	Effective dose for dual use (G) = 2.0	700.12	174.95	322.30	63.07	139.80
	05a	STP factor 1 = 1	2036.15	446.68	1087.77	174.56	327.13
	05b	STP factor 1 = 1.5	2036.26	446.69	1087.86	174.58	327.14
	05c	STP factor 1 = 2.5	2014.43	442.64	1075.01	172.19	324.59
	05d	STP factor 1 = 3	1996.71	439.31	1064.43	170.24	322.73
	05e	STP factor 1 = 2, factor 4 = 0.5	2033.04	446.54	1084.86	174.41	327.23
	05f	STP factor 1 = 2, factor 4 = 1	2031.00	446.99	1082.11	174.34	327.55
	05g	STP factor 1 = 2, factor 4 Ignored	2018.86	445.83	1072.56	173.30	327.17
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	2044.03	447.52	1094.06	175.13	327.32
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	2025.23	445.70	1078.79	173.81	326.94
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	2019.87	444.99	1075.01	173.20	326.66
	06a	STP factor 2 = 1	2169.56	476.77	1157.57	184.39	350.83
	06b	STP factor 2 = 1.5	2082.24	452.95	1121.27	178.04	329.99
	06c	STP factor 2 = 2.5	1932.97	428.98	1021.35	166.75	315.89
	06d	STP factor 2 = 3	1911.59	429.38	1000.03	162.92	319.25
	07a	STP factor 3 = 1	2102.79	464.02	1121.80	179.90	337.08
	07b	STP factor 3 = 1.5	2074.16	455.24	1110.18	177.99	330.75
	07c	STP factor 3 = 2.5	2097.13	456.00	1129.27	181.14	330.72
	07d	STP factor 3 = 3	2038.28	447.88	1086.41	176.26	327.73
	08a	Definition of short-term quitting (years) = 1	2018.54	445.89	1073.57	171.95	327.13
	08b	Definition of short-term quitting (years) = 3	2156.27	464.11	1168.50	188.16	335.50
	09a	Relative Risk: 20% reduction	1927.49	499.71	951.58	148.34	327.86
	09b	Relative Risk: 20% increase	2111.51	401.34	1192.58	197.19	320.39
	09c	Relative Risk: From US Surgeon General 2014	2488.79	267.16	1690.94	401.90	128.79
	10a	Half Life: 20% reduction	2452.30	589.50	1254.31	198.03	410.46
	10b	Half Life: 20% increase	1738.62	356.40	952.13	154.88	275.21

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	01	Basic	2895.87	640.79	1563.86	230.91	460.31
	02	Simulation analysis	3041.59	634.65	1737.31	263.65	405.98
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	3480.53	762.39	1901.34	281.31	535.49
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	3333.76	731.82	1816.64	268.68	516.63
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	3187.40	701.36	1732.16	256.07	497.82
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	3041.44	671.01	1647.90	243.48	479.04
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	2750.71	610.67	1480.05	218.36	441.62
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	2605.94	580.67	1396.45	205.84	422.97
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	2461.56	550.78	1313.08	193.34	404.36
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	2317.58	521.00	1229.92	180.86	385.80
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	2030.77	461.78	1064.24	155.97	348.78
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	1745.52	403.00	899.42	131.17	311.93
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	1461.78	344.66	735.44	106.45	275.24
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	3609.97	790.18	1975.00	292.19	552.60
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	3430.55	752.57	1871.72	276.82	529.44
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	3251.73	715.14	1768.78	261.48	506.33
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	3073.51	677.88	1666.16	246.18	483.29
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	2718.83	603.87	1461.90	215.67	437.39
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	2542.37	567.11	1360.25	200.46	414.54
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	2366.49	530.53	1258.92	185.29	391.74
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	2191.18	494.11	1157.91	170.15	369.01
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	1842.29	421.77	956.84	139.96	323.72
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	1495.67	350.08	757.01	109.90	278.67
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	1151.28	279.03	558.42	79.96	233.86
	04a	Effective dose for dual use (G) = 0.4	3152.32	695.64	1709.87	252.53	494.28
	04b	Effective dose for dual use (G) = 0.8	2640.73	586.31	1418.58	209.36	426.48
	04c	Effective dose for dual use (G) = 1.0	2386.87	532.21	1274.00	187.88	392.79
	04d	Effective dose for dual use (G) = 1.2	2134.29	478.49	1130.11	166.46	359.23
	04e	Effective dose for dual use (G) = 1.5	1757.78	398.59	915.57	134.47	309.15
	04f	Effective dose for dual use (G) = 2.0	1136.41	267.23	561.34	81.49	226.35
	05a	STP factor 1 = 1	2908.00	642.95	1571.98	231.92	461.15
	05b	STP factor 1 = 1.5	2907.86	642.96	1571.85	231.91	461.15
	05c	STP factor 1 = 2.5	2877.56	635.38	1556.94	230.19	455.05
	05d	STP factor 1 = 3	2859.90	630.20	1549.67	229.28	450.75
	05e	STP factor 1 = 2, factor 4 = 0.5	2884.06	639.14	1555.36	230.00	459.56
	05f	STP factor 1 = 2, factor 4 = 1	2869.09	637.08	1544.71	228.52	458.77
	05g	STP factor 1 = 2, factor 4 Ignored	2834.15	631.37	1520.68	225.66	456.44
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	2921.57	645.81	1580.42	233.05	462.29
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	2872.33	635.73	1550.64	228.57	457.39
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	2858.23	633.14	1541.66	227.41	456.03
	06a	STP factor 2 = 1	3024.01	669.27	1626.28	240.10	488.35
	06b	STP factor 2 = 1.5	2955.56	652.27	1596.23	233.86	473.20
	06c	STP factor 2 = 2.5	2766.71	617.28	1484.11	216.72	448.60
	06d	STP factor 2 = 3	2710.12	603.94	1454.91	214.56	436.71
	07a	STP factor 3 = 1	2998.62	671.53	1606.43	238.76	481.90
	07b	STP factor 3 = 1.5	2960.31	660.91	1589.82	234.77	474.80
	07c	STP factor 3 = 2.5	3056.21	675.43	1653.57	243.79	483.41
	07d	STP factor 3 = 3	2990.33	664.05	1609.06	239.33	477.89
	08a	Definition of short-term quitting (years) = 1	2862.87	633.96	1546.75	228.60	453.56
	08b	Definition of short-term quitting (years) = 3	3059.28	673.55	1660.64	243.86	481.23
	09a	Relative Risk: 20% reduction	2773.71	715.76	1397.44	200.34	460.17
	09b	Relative Risk: 20% increase	2982.13	577.70	1695.41	256.97	452.05
	09c	Relative Risk: From US Surgeon General 2014	3252.37	415.21	2219.81	431.65	185.70
	10a	Half Life: 20% reduction	3360.70	811.11	1731.43	257.82	560.34
	10b	Half Life: 20% increase	2558.34	528.20	1426.13	208.42	395.59

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	01	Basic	3759.28	843.70	2024.04	316.60	574.95
	02	Simulation analysis	4005.50	899.01	2174.70	343.85	587.94
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	4559.80	1025.83	2459.29	384.09	690.59
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	4358.51	979.92	2349.90	367.16	661.54
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	4158.00	934.26	2240.89	350.26	632.58
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	3958.25	888.85	2132.27	333.41	603.72
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	3561.06	798.79	1916.17	299.82	546.27
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	3363.60	754.14	1808.69	283.08	517.69
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	3166.89	709.73	1701.58	266.39	489.20
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	2970.92	665.56	1594.84	249.73	460.80
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	2581.20	577.95	1382.45	216.53	404.27
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	2194.39	491.30	1171.52	183.48	348.10
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	1810.46	405.57	962.02	150.58	292.29
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	4740.62	1067.16	2556.31	399.74	717.41
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	4493.52	1010.72	2422.36	378.86	681.58
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	4247.60	954.66	2289.00	358.04	645.90
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	4002.86	898.99	2156.23	337.29	610.35
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	3516.85	788.78	1892.41	295.96	539.69
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	3275.55	734.24	1761.36	275.39	504.57
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	3035.39	680.06	1630.86	254.88	469.59
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	2796.35	626.25	1500.92	234.43	434.75
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	2321.58	519.71	1242.70	193.71	365.47
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	1851.18	414.57	986.64	153.22	296.75
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	1385.06	310.82	732.71	112.97	228.56
	04a	Effective dose for dual use (G) = 0.4	4116.00	924.74	2215.64	347.63	627.99
	04b	Effective dose for dual use (G) = 0.8	3405.41	763.54	1833.88	285.74	522.25
	04c	Effective dose for dual use (G) = 1.0	3054.35	684.25	1645.14	255.07	469.90
	04d	Effective dose for dual use (G) = 1.2	2706.04	605.81	1457.78	224.56	417.88
	04e	Effective dose for dual use (G) = 1.5	2188.61	489.72	1179.29	179.13	340.48
	04f	Effective dose for dual use (G) = 2.0	1339.28	300.27	721.67	104.23	213.11
	05a	STP factor 1 = 1	3782.23	848.43	2037.70	318.68	577.41
	05b	STP factor 1 = 1.5	3779.55	847.98	2036.03	318.35	577.20
	05c	STP factor 1 = 2.5	3752.65	842.99	2019.05	315.90	574.71
	05d	STP factor 1 = 3	3746.41	841.52	2015.34	315.60	573.95
	05e	STP factor 1 = 2, factor 4 = 0.5	3737.35	841.93	2006.38	314.36	574.67
	05f	STP factor 1 = 2, factor 4 = 1	3694.02	833.75	1979.52	310.05	570.70
	05g	STP factor 1 = 2, factor 4 Ignored	3657.54	826.10	1957.16	307.02	567.26
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	3788.28	850.87	2039.00	319.14	579.28
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	3731.77	835.84	2012.55	313.75	569.63
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	3712.17	832.27	1999.73	311.98	568.19
	06a	STP factor 2 = 1	3878.21	873.04	2076.39	323.79	604.99
	06b	STP factor 2 = 1.5	3810.53	850.64	2057.69	319.64	582.57
	06c	STP factor 2 = 2.5	3504.29	781.66	1898.70	294.06	529.87
	06d	STP factor 2 = 3	3388.95	756.48	1837.10	279.88	515.49
	07a	STP factor 3 = 1	3858.36	883.23	2046.08	318.60	610.46
	07b	STP factor 3 = 1.5	3810.87	863.15	2038.24	318.80	590.68
	07c	STP factor 3 = 2.5	3967.09	889.98	2135.23	336.45	605.44
	07d	STP factor 3 = 3	3902.08	874.95	2097.88	331.97	597.28
	08a	Definition of short-term quitting (years) = 1	3746.58	844.46	2010.76	316.34	575.02
	08b	Definition of short-term quitting (years) = 3	3912.89	873.27	2118.73	331.17	589.71
	09a	Relative Risk: 20% reduction	3598.37	938.87	1812.06	275.54	571.90
	09b	Relative Risk: 20% increase	3870.21	762.75	2189.41	351.11	566.95
	09c	Relative Risk: From US Surgeon General 2014	4033.54	558.38	2731.26	509.53	234.37
	10a	Half Life: 20% reduction	4276.44	1042.01	2200.07	346.66	687.69
	10b	Half Life: 20% increase	3375.73	709.01	1875.64	290.40	500.68

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	01	Basic	35206.48	7687.58	19188.66	3064.33	5265.91
	02	Simulation analysis	35473.22	7273.80	20328.63	3195.18	4675.61
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	41887.63	9065.03	23042.10	3654.95	6125.55
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	40211.00	8718.79	22075.30	3506.95	5909.95
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	38538.62	8373.81	21110.81	3359.19	5694.81
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	36870.45	8030.08	20148.60	3211.64	5480.13
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	33546.67	7346.31	18230.99	2917.23	5052.14
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	31891.02	7006.26	17275.56	2770.36	4838.83
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	30239.49	6667.43	16322.38	2623.71	4625.97
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	28592.06	6329.80	15371.41	2477.28	4413.56
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	25309.43	5658.14	13476.11	2185.09	3990.10
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	22042.95	4991.20	11589.56	1893.77	3568.42
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	18792.45	4328.94	9711.67	1603.32	3148.51
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	43553.98	9417.35	23983.23	3800.67	6352.74
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	41457.43	8982.04	22779.36	3616.07	6079.96
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	39367.36	8548.65	21579.00	3431.81	5807.90
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	37283.72	8117.17	20382.11	3247.90	5536.55
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	33135.58	7259.87	17998.64	2881.10	4995.97
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	31070.99	6834.03	16812.02	2698.20	4726.74
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	29012.65	6410.03	15628.77	2515.65	4458.21
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	26960.54	5987.87	14448.87	2333.43	4190.37
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	22874.80	5148.99	12099.05	1969.99	3656.78
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	18813.45	4317.28	9762.35	1607.89	3125.93
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	14776.15	3492.63	7438.61	1247.09	2597.81
	04a	Effective dose for dual use (G) = 0.4	38511.95	8384.08	21056.35	3354.33	5717.20
	04b	Effective dose for dual use (G) = 0.8	31917.02	6995.84	17329.48	2775.20	4816.50
	04c	Effective dose for dual use (G) = 1.0	28643.36	6308.78	15478.66	2486.95	4368.97
	04d	Effective dose for dual use (G) = 1.2	25385.29	5626.35	13636.09	2199.56	3923.29
	04e	Effective dose for dual use (G) = 1.5	20526.96	4611.23	10887.43	1770.07	3258.23
	04f	Effective dose for dual use (G) = 2.0	12504.84	2941.65	6345.86	1058.46	2158.88
	05a	STP factor 1 = 1	35344.05	7709.33	19283.79	3075.91	5275.03
	05b	STP factor 1 = 1.5	35340.20	7708.77	19281.15	3075.49	5274.79
	05c	STP factor 1 = 2.5	35005.79	7639.37	19090.54	3048.14	5227.74
	05d	STP factor 1 = 3	34785.14	7585.26	18980.09	3030.08	5189.70
	05e	STP factor 1 = 2, factor 4 = 0.5	35134.70	7680.79	19131.51	3058.23	5264.17
	05f	STP factor 1 = 2, factor 4 = 1	34938.39	7652.88	18992.43	3040.29	5252.79
	05g	STP factor 1 = 2, factor 4 Ignored	34655.39	7607.91	18796.25	3016.09	5235.14
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	35456.66	7730.32	19356.49	3085.04	5284.81
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	34995.88	7643.72	19065.36	3045.27	5241.53
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	34873.26	7624.21	18982.03	3033.58	5233.44
	06a	STP factor 2 = 1	36958.30	8067.47	20095.90	3199.54	5595.39
	06b	STP factor 2 = 1.5	35834.27	7778.59	19613.05	3099.20	5343.43
	06c	STP factor 2 = 2.5	33515.66	7379.27	18134.82	2893.89	5107.67
	06d	STP factor 2 = 3	32881.92	7266.98	17728.28	2835.77	5050.90
	07a	STP factor 3 = 1	36328.44	8016.27	19653.49	3144.49	5514.18
	07b	STP factor 3 = 1.5	36002.00	7895.67	19574.31	3123.13	5408.89
	07c	STP factor 3 = 2.5	36925.31	8040.32	20171.03	3224.14	5489.82
	07d	STP factor 3 = 3	36086.96	7910.23	19587.96	3152.22	5436.55
	08a	Definition of short-term quitting (years) = 1	34882.90	7640.21	18975.75	3036.58	5230.36
	08b	Definition of short-term quitting (years) = 3	37084.44	8005.56	20411.82	3238.93	5428.13
	09a	Relative Risk: 20% reduction	33562.37	8596.61	17054.00	2642.92	5268.83
	09b	Relative Risk: 20% increase	36418.37	6925.25	20896.80	3428.33	5167.99
	09c	Relative Risk: From US Surgeon General 2014	40090.96	4833.01	27413.98	5762.70	2081.28
	10a	Half Life: 20% reduction	41427.48	9845.47	21672.25	3455.52	6454.24
	10b	Half Life: 20% increase	30781.58	6291.52	17235.64	2745.89	4508.53

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	1	Basic	755.95	153.65	433.88	82.39	86.03
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	755.61	153.65	433.57	82.37	86.02
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	758.85	153.78	436.21	82.75	86.11
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	704.73	143.47	406.77	75.91	78.59
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	928.38	184.56	538.10	99.72	106.01
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	753.09	153.53	431.58	82.03	85.95
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	750.59	153.42	429.57	81.72	85.88
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	747.46	153.28	427.06	81.33	85.79
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	751.60	153.46	430.39	81.84	85.91
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	742.75	153.05	423.43	80.65	85.62
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	734.67	152.66	417.24	79.48	85.30
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	721.61	152.04	407.06	77.66	84.85
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	684.38	150.29	378.11	72.44	83.55
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	657.66	134.14	377.38	72.51	73.63
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	569.84	123.76	312.38	63.73	69.98
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	470.46	102.57	261.55	52.36	53.98
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	63.02	19.50	38.83	6.20	-1.51
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-2088.80	-376.07	-1241.39	-226.86	-244.49
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-4739.80	-868.26	-2789.10	-510.87	-571.58
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	749.90	152.95	429.51	81.78	85.66
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	751.88	153.39	430.42	82.09	85.98
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	767.13	156.12	439.32	83.49	88.21
	13d	Multiply MRTP Quitting MRTP, Dual by 2	767.36	156.13	439.50	83.51	88.21
	13e	Multiply MRTP Quitting CC Only by 0.0	-601.03	-80.45	-401.04	-60.66	-58.88
	13f	Multiply MRTP Quitting CC Only by 0.25	-331.13	-43.94	-213.75	-31.27	-42.17
	13g	Multiply MRTP Quitting CC Only by 0.5	28.96	24.28	-5.64	9.53	0.79
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	658.09	138.47	371.14	73.81	74.66
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	430.59	90.38	246.27	50.40	43.55
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	273.90	62.09	155.30	34.84	21.67
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	674.77	141.27	382.22	76.17	75.12
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	1603.03	281.52	1003.22	163.97	154.33
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	2408.74	399.18	1548.18	248.21	213.16
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	733.96	149.69	421.13	81.06	82.08
	14e	Multiply Switching to Dual Pcd, Pmd by 5	922.33	184.84	532.71	100.91	103.87
	14f	Multiply Switching to Dual Pcd, Pmd by 10	1046.50	202.53	619.57	110.41	113.99
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	758.16	153.79	435.78	82.54	86.05
	14h	Multiply Switching to CC Pmc, Pdc by 5	742.69	152.26	422.71	81.10	86.61
	14i	Multiply Switching to CC Pmc, Pdc by 10	723.85	149.05	411.45	78.67	84.69
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	692.89	144.69	392.73	77.47	78.00
	14k	Multiply Switching from CC Pcm, Pcd by 5	1642.42	286.62	1029.59	169.55	156.67
	14l	Multiply Switching from CC Pcm, Pcd by 10	2483.35	409.20	1597.91	257.98	218.26
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	761.47	153.99	438.64	82.76	86.09
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	730.79	149.32	417.82	79.79	83.86
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	714.48	146.42	408.31	77.38	82.36
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	755.65	153.64	433.61	82.36	86.03
	14q	Multiply Switching from Dual Pdc, Pdm by 5	764.35	155.63	437.63	83.12	87.97
	14r	Multiply Switching from Dual Pdc, Pdm by 10	765.99	156.10	438.28	83.44	88.16
	14s	Multiply Switching to CC Pmc, Pdc by 20	719.58	148.64	408.29	78.12	84.53
	14t	Multiply Switching to CC Pmc, Pdc by 50	688.29	143.67	388.17	74.76	81.68
	14u	Multiply Switching to CC Pmc, Pdc by 100	570.70	123.08	316.83	61.84	68.95
	14v	Multiply Switching to CC Pmc, Pdc by 150	492.45	106.47	277.01	53.62	55.35
	15	Adjustment for population size	751.25	150.98	432.79	82.26	85.21

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	1	Basic	2030.59	446.09	1083.32	174.16	327.01
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	2014.89	445.24	1071.28	172.07	326.30
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	2043.11	446.93	1092.86	175.80	327.52
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	1687.93	371.86	898.04	144.03	274.00
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	2579.80	556.58	1396.91	223.87	402.44
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	2012.60	444.91	1069.12	172.13	326.44
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	1997.72	443.95	1057.40	170.39	325.97
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	1979.69	442.74	1043.33	168.26	325.37
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	1995.54	443.87	1056.88	169.39	325.40
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	1957.50	441.20	1027.52	164.70	324.08
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	1912.73	438.30	994.21	158.24	321.98
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	1849.79	433.95	946.21	150.07	319.56
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	1690.80	422.73	827.26	127.96	312.84
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	1782.76	395.26	941.08	151.82	294.60
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	1449.86	336.66	731.24	119.65	262.31
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	1203.45	278.80	608.65	99.65	216.34
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	364.63	87.27	164.16	33.63	79.56
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-4497.32	-872.55	-2648.09	-405.84	-570.84
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-9410.23	-1817.83	-5485.06	-846.05	-1261.29
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	1958.84	431.29	1044.49	167.15	315.91
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	2007.68	442.64	1068.02	172.02	325.00
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	2096.10	460.02	1120.05	179.99	336.04
	13d	Multiply MRTP Quitting MRTP, Dual by 2	2128.23	465.87	1139.62	183.07	339.68
	13e	Multiply MRTP Quitting CC Only by 0.0	-2309.92	-350.57	-1550.35	-227.34	-181.66
	13f	Multiply MRTP Quitting CC Only by 0.25	-1208.02	-164.51	-848.87	-125.55	-69.09
	13g	Multiply MRTP Quitting CC Only by 0.5	-24.61	68.46	-166.33	-17.03	90.30
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	1741.26	402.82	888.91	147.84	301.70
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	1259.39	300.67	621.98	103.98	232.76
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	923.64	237.80	420.31	76.42	189.11
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	1758.70	405.93	900.86	148.68	303.23
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	4481.49	833.68	2723.86	402.88	521.07
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	7151.05	1293.01	4465.57	628.82	763.65
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	2003.17	441.03	1067.52	171.09	323.53
	14e	Multiply Switching to Dual Pcd, Pmd by 5	2371.38	516.21	1280.26	204.21	370.71
	14f	Multiply Switching to Dual Pcd, Pmd by 10	2687.91	560.45	1503.45	236.48	387.53
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	2042.22	448.12	1090.73	175.16	328.22
	14h	Multiply Switching to CC Pmc, Pdc by 5	1942.11	432.05	1027.30	164.08	318.69
	14i	Multiply Switching to CC Pmc, Pdc by 10	1828.24	412.34	957.41	153.32	305.16
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	1769.12	408.71	904.85	150.09	305.47
	14k	Multiply Switching from CC Pcm, Pcd by 5	4557.67	845.69	2771.99	408.18	531.81
	14l	Multiply Switching from CC Pcm, Pcd by 10	7269.78	1322.20	4527.48	637.17	782.94
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	2044.68	447.58	1094.59	175.18	327.33
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	1928.25	428.20	1021.06	162.85	316.14
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	1813.14	405.08	955.84	153.62	298.60
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	2033.47	447.33	1083.60	174.49	328.05
	14q	Multiply Switching from Dual Pdc, Pdm by 5	2045.64	448.14	1095.42	175.24	326.85
	14r	Multiply Switching from Dual Pdc, Pdm by 10	2046.54	450.93	1092.37	175.27	327.96
	14s	Multiply Switching to CC Pmc, Pdc by 20	1770.41	400.52	925.34	148.41	296.15
	14t	Multiply Switching to CC Pmc, Pdc by 50	1573.78	362.13	808.06	130.55	273.03
	14u	Multiply Switching to CC Pmc, Pdc by 100	1160.11	285.43	553.70	94.94	226.04
	14v	Multiply Switching to CC Pmc, Pdc by 150	914.33	233.72	419.98	73.35	187.28
	15	Adjustment for population size	1998.45	428.64	1075.93	173.28	320.61

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	1	Basic	2895.87	640.79	1563.86	230.91	460.31
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	2846.01	636.88	1526.62	224.36	458.15
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	2937.77	644.28	1595.12	236.26	462.10
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	2367.57	517.40	1291.32	187.31	371.54
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	3724.06	829.45	2010.17	294.61	589.84
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	2848.38	636.15	1528.56	225.30	458.37
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	2807.33	632.38	1497.68	220.48	456.80
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	2752.55	627.61	1456.48	213.84	454.61
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	2789.72	631.64	1486.50	216.40	455.18
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	2673.77	621.21	1401.54	201.15	449.87
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	2515.66	608.84	1286.12	178.60	442.11
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	2348.30	593.40	1165.02	155.71	434.17
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	1958.44	556.93	886.46	100.23	414.82
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	2549.96	561.19	1377.05	201.46	410.25
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	2015.91	436.97	1091.20	163.63	324.11
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	1741.53	369.53	958.01	139.61	274.38
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	677.20	133.39	370.11	47.53	126.17
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-5458.87	-1226.51	-2967.07	-451.17	-814.11
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-10930.8	-2366.04	-5991.39	-901.49	-1671.86
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	2746.08	606.19	1485.95	219.00	434.95
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	2823.41	625.32	1523.68	224.50	449.91
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	3038.32	672.10	1642.72	243.70	479.79
	13d	Multiply MRTP Quitting MRTP, Dual by 2	3138.77	694.54	1695.81	251.76	496.65
	13e	Multiply MRTP Quitting CC Only by 0.0	-4458.04	-870.67	-2675.11	-405.95	-506.32
	13f	Multiply MRTP Quitting CC Only by 0.25	-2523.54	-492.79	-1527.73	-230.46	-272.56
	13g	Multiply MRTP Quitting CC Only by 0.5	-600.86	-96.07	-432.91	-67.48	-4.41
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	2370.88	538.97	1244.17	185.15	402.59
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	1709.31	382.41	897.01	133.99	295.89
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	1209.23	286.31	590.71	90.33	241.88
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	2343.21	532.96	1228.26	181.21	400.78
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	7114.25	1509.11	4077.46	580.46	947.22
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	11643.68	2436.98	6837.74	965.02	1403.94
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	2841.91	624.87	1543.80	228.14	445.10
	14e	Multiply Switching to Dual Pcd, Pmd by 5	3339.44	745.80	1800.02	263.99	529.63
	14f	Multiply Switching to Dual Pcd, Pmd by 10	3872.50	863.33	2099.22	309.38	600.56
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	2932.74	648.77	1585.40	234.04	464.54
	14h	Multiply Switching to CC Pmc, Pdc by 5	2638.08	581.00	1429.80	210.35	416.94
	14i	Multiply Switching to CC Pmc, Pdc by 10	2440.18	540.12	1316.08	194.25	389.72
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	2322.98	533.48	1208.01	178.28	403.21
	14k	Multiply Switching from CC Pcm, Pcd by 5	7128.11	1505.81	4103.27	581.52	937.51
	14l	Multiply Switching from CC Pcm, Pcd by 10	11783.58	2466.85	6920.26	972.40	1424.07
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	2926.14	646.22	1584.06	233.44	462.42
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	2673.17	586.60	1452.85	214.76	418.97
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	2495.02	554.16	1340.14	198.77	401.96
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	2916.74	646.47	1573.86	232.62	463.79
	14q	Multiply Switching from Dual Pdc, Pdm by 5	2891.02	637.43	1567.59	230.31	455.69
	14r	Multiply Switching from Dual Pdc, Pdm by 10	2967.06	659.08	1598.93	237.91	471.14
	14s	Multiply Switching to CC Pmc, Pdc by 20	2390.32	537.38	1273.74	189.88	389.32
	14t	Multiply Switching to CC Pmc, Pdc by 50	1990.57	456.24	1037.35	153.09	343.89
	14u	Multiply Switching to CC Pmc, Pdc by 100	1284.97	314.84	619.02	90.68	260.43
	14v	Multiply Switching to CC Pmc, Pdc by 150	961.11	248.83	428.83	63.95	219.50
	15	Adjustment for population size	2818.93	597.42	1550.11	229.33	442.07

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	1	Basic	3759.28	843.70	2024.04	316.60	574.95
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	3646.02	832.89	1943.03	300.74	569.36
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	3841.34	851.79	2081.15	328.82	579.59
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	3168.06	693.60	1732.80	275.78	465.87
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	4756.06	1089.28	2534.05	397.24	735.50
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	3677.87	833.97	1966.33	306.68	570.89
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	3590.34	823.41	1904.09	296.28	566.56
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	3480.33	812.02	1826.37	281.16	560.78
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	3517.42	819.31	1856.48	280.83	560.80
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	3286.46	793.47	1695.68	249.22	548.09
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	2992.46	764.75	1493.03	203.58	531.10
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	2688.62	730.13	1284.58	160.60	513.31
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	2013.48	654.07	822.41	63.35	473.65
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	3335.23	735.51	1809.80	286.37	503.55
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	2873.97	622.58	1568.42	253.51	429.45
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	2505.26	526.91	1394.08	226.70	357.57
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	1179.19	194.01	740.11	121.62	123.45
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-5396.77	-1351.81	-2663.66	-393.54	-987.76
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-10821.9	-2526.27	-5575.93	-850.50	-1869.16
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	3567.68	799.53	1922.91	299.77	545.48
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	3665.76	821.67	1974.57	308.66	560.86
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	3994.86	900.89	2141.99	335.96	616.02
	13d	Multiply MRTP Quitting MRTP, Dual by 2	4155.72	937.34	2228.56	348.83	641.00
	13e	Multiply MRTP Quitting CC Only by 0.0	-6043.56	-1306.51	-3339.96	-534.66	-862.44
	13f	Multiply MRTP Quitting CC Only by 0.25	-3256.52	-712.10	-1809.95	-283.73	-450.73
	13g	Multiply MRTP Quitting CC Only by 0.5	-790.93	-177.83	-458.15	-73.45	-81.51
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	3066.35	697.92	1615.95	255.01	497.48
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	2331.62	519.77	1236.76	196.55	378.53
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	1625.90	359.87	847.34	136.72	281.97
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	2998.20	674.16	1599.01	249.57	475.46
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	9258.62	2096.13	5117.07	775.26	1270.16
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	14939.26	3487.17	8229.56	1222.87	1999.66
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	3731.13	834.53	2016.60	316.25	563.74
	14e	Multiply Switching to Dual Pcd, Pmd by 5	4207.84	955.11	2253.36	347.86	651.51
	14f	Multiply Switching to Dual Pcd, Pmd by 10	4752.58	1088.49	2553.37	391.02	719.70
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	3831.11	859.65	2063.79	322.66	585.02
	14h	Multiply Switching to CC Pmc, Pdc by 5	3433.82	772.25	1845.84	285.90	529.84
	14i	Multiply Switching to CC Pmc, Pdc by 10	3127.11	704.12	1678.37	258.46	486.16
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	2978.41	674.90	1576.93	248.53	478.05
	14k	Multiply Switching from CC Pcm, Pcd by 5	9275.51	2098.59	5137.76	780.52	1258.66
	14l	Multiply Switching from CC Pcm, Pcd by 10	15106.40	3529.75	8307.31	1223.08	2046.26
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	3805.90	854.71	2049.16	320.84	581.19
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	3457.58	775.86	1862.38	288.04	531.30
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	3167.15	715.78	1691.66	262.64	497.08
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	3806.37	855.18	2047.93	320.15	583.11
	14q	Multiply Switching from Dual Pdc, Pdm by 5	3793.65	849.42	2048.34	319.73	576.16
	14r	Multiply Switching from Dual Pdc, Pdm by 10	3863.86	873.47	2069.85	321.34	599.20
	14s	Multiply Switching to CC Pmc, Pdc by 20	3009.37	689.07	1591.80	244.65	483.85
	14t	Multiply Switching to CC Pmc, Pdc by 50	2347.90	539.10	1242.99	186.72	379.09
	14u	Multiply Switching to CC Pmc, Pdc by 100	1490.80	348.29	763.68	115.98	262.86
	14v	Multiply Switching to CC Pmc, Pdc by 150	1010.93	245.62	497.81	71.90	195.60
	15	Adjustment for population size	3652.58	783.57	2005.73	314.29	548.99

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	1	Basic	35206.48	7687.58	19188.66	3064.33	5265.91
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	34593.57	7638.72	18731.61	2984.14	5239.10
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	35673.47	7726.56	19531.38	3127.64	5287.89
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	29222.99	6290.54	16116.41	2561.80	4254.24
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	45003.68	9846.25	24565.25	3887.19	6704.99
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	34691.52	7639.31	18804.08	3003.07	5245.06
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	34246.46	7597.61	18471.56	2950.26	5227.03
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	33622.76	7543.34	18007.44	2871.52	5200.46
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	33946.15	7580.63	18274.63	2888.61	5202.27
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	32643.18	7463.28	17321.39	2716.82	5141.69
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	30979.40	7331.84	16119.59	2472.06	5055.91
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	29012.81	7146.65	14694.98	2208.94	4962.24
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	24541.18	6736.13	11485.87	1578.02	4741.16
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	30886.52	6720.66	16815.03	2697.31	4653.53
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	25300.91	5538.08	13622.61	2242.67	3897.55
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	21296.96	4567.28	11676.00	1898.89	3154.79
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	7174.31	1346.16	4180.02	675.44	972.70
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-70650.7	-15139.4	-39148.6	-6128.40	-10234.3
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-146376	-30325.8	-81854.0	-12972.1	-21224.0
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	33671.28	7346.00	18367.17	2931.13	5026.98
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	34463.19	7534.63	18761.92	2998.33	5168.30
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	36800.38	8048.40	20036.95	3203.79	5511.24
	13d	Multiply MRTP Quitting MRTP, Dual by 2	37769.43	8259.62	20563.74	3285.87	5660.20
	13e	Multiply MRTP Quitting CC Only by 0.0	-49318.8	-9319.82	-29828.8	-4527.44	-5642.67
	13f	Multiply MRTP Quitting CC Only by 0.25	-27379.7	-5161.51	-16682.9	-2496.13	-3039.20
	13g	Multiply MRTP Quitting CC Only by 0.5	-5276.78	-625.51	-4150.54	-534.15	33.42
	13h	Multiply MRTP Quitting CC by 0.9, MRTP, Dual by 1.5	29576.00	6655.20	15667.22	2562.82	4690.76
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	20995.33	4684.71	11109.65	1827.90	3373.07
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	14635.87	3442.88	7306.25	1271.81	2614.93
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	29535.42	6625.72	15696.98	2551.50	4661.22
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	83882.03	17210.58	48941.91	7298.73	10430.82
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	134619.8	27354.88	80043.81	11630.07	15591.02
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	34783.54	7573.74	19019.68	3037.90	5152.22
	14e	Multiply Switching to Dual Pcd, Pmd by 5	41042.89	9001.85	22380.11	3554.91	6106.03
	14f	Multiply Switching to Dual Pcd, Pmd by 10	46878.38	10137.99	25978.78	4066.53	6695.08
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	35573.81	7763.62	19403.71	3096.78	5309.69
	14h	Multiply Switching to CC Pmc, Pdc by 5	32919.27	7200.54	17912.63	2854.72	4951.37
	14i	Multiply Switching to CC Pmc, Pdc by 10	30574.13	6728.01	16556.06	2644.78	4645.28
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	29495.43	6640.97	15621.11	2547.11	4686.22
	14k	Multiply Switching from CC Pcm, Pcd by 5	84490.73	17242.72	49513.76	7354.51	10379.73
	14l	Multiply Switching from CC Pcm, Pcd by 10	136877.6	27835.39	81339.71	11780.05	15922.49
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	35519.72	7739.77	19399.78	3091.48	5288.69
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	32983.41	7192.30	17998.73	2866.93	4925.45
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	30778.19	6766.15	16670.20	2669.59	4672.25
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	35384.83	7738.81	19265.42	3079.69	5300.90
	14q	Multiply Switching from Dual Pdc, Pdm by 5	35439.72	7720.96	19362.60	3079.83	5276.33
	14r	Multiply Switching from Dual Pdc, Pdm by 10	35888.59	7861.33	19529.56	3121.32	5376.38
	14s	Multiply Switching to CC Pmc, Pdc by 20	29755.11	6609.21	15997.98	2574.16	4573.77
	14t	Multiply Switching to CC Pmc, Pdc by 50	25244.67	5678.97	13410.75	2153.98	4000.97
	14u	Multiply Switching to CC Pmc, Pdc by 100	17380.71	4125.87	8714.60	1454.83	3085.41
	14v	Multiply Switching to CC Pmc, Pdc by 150	13264.18	3271.89	6390.92	1094.01	2507.36
	15	Adjustment for population size	34427.75	7250.67	19041.75	3046.73	5088.59

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	1	Basic	755.95	153.65	433.88	82.39	86.03
	16a	All smokers become quitters	18375.41	2844.59	12448.89	1674.50	1407.44
	16b	All CC smokers become MRTP	13912.47	2187.52	9315.94	1306.70	1102.31
	16c	Whole population become MRTP	3920.87	509.38	2840.86	371.96	198.67
	16d	CC only switchers become quitters	8145.17	1247.63	5463.13	789.16	645.26
	17a	Alternative 1: LLLL	2775.18	459.58	1780.34	286.15	249.12
	17b	Alternative 2: LLLS	2744.84	454.26	1762.13	283.08	245.37
	17c	Alternative 3: LLSL	2524.82	419.22	1619.10	259.35	227.15
	17d	Alternative 4: LLSS	2485.82	412.46	1595.38	254.76	223.22
	17e	Alternative 5: LSLL	709.63	144.90	408.44	78.21	78.08
	17f	Alternative 6: LSLS	695.40	142.19	400.54	76.92	75.74
	17g	Alternative 7: LSSL	668.44	135.44	388.48	74.87	69.64
	17h	Alternative 8: LSSS	647.82	132.46	374.57	72.67	68.11
	17i	Alternative 9: SLLL	1697.62	291.17	1072.20	177.39	156.87
	17j	Alternative 10: SLLS	1580.96	270.62	1002.41	164.88	143.05
	17k	Alternative 11: SLSL	1551.73	269.01	975.70	160.58	146.43
	17l	Alternative 12: SLSS	1434.79	246.60	909.25	148.55	130.40
	17o	Alternative 13: SSLL	495.73	107.50	278.55	55.17	54.51
	17p	Alternative 14: SSLS	459.34	99.78	260.30	51.72	47.54
	17q	Alternative 15: SSSL	465.66	100.30	264.49	52.78	48.09
	17r	Alternative 16: SSSS	429.68	93.78	243.45	49.30	43.16
	18a	Alternative 1: LLLL	1061.50	200.21	636.36	113.74	111.19
	18b	Alternative 2: LLLS	1042.07	196.73	625.04	111.74	108.55
	18c	Alternative 3: LLSL	1029.77	194.24	617.39	110.96	107.18
	18d	Alternative 4: LLSS	1015.20	192.03	607.97	109.37	105.83
	18e	Alternative 5: LSLL	709.63	144.90	408.44	78.21	78.08
	18f	Alternative 6: LSLS	695.40	142.19	400.54	76.92	75.74
	18g	Alternative 7: LSSL	695.99	142.28	400.91	77.27	75.53
	18h	Alternative 8: LSSS	686.19	140.79	394.61	76.34	74.46
	18i	Alternative 9: SLLL	810.27	160.83	473.20	87.33	88.92
	18j	Alternative 10: SLLS	771.12	153.15	451.99	83.32	82.66
	18k	Alternative 11: SLSL	779.64	155.00	454.96	84.62	85.06
	18l	Alternative 12: SLSS	749.77	149.61	437.66	81.61	80.90
	18o	Alternative 13: SSLL	549.12	116.84	310.97	60.92	60.39
	18p	Alternative 14: SSLS	518.25	110.36	295.30	58.01	54.58
	18q	Alternative 15: SSSL	536.05	114.33	303.74	60.00	57.98
	18r	Alternative 16: SSSS	513.28	109.98	291.14	57.95	54.21
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	577.73	119.02	333.78	63.90	61.03
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	393.85	83.13	230.54	44.13	36.06
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	270.89	72.01	130.07	32.23	36.58
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-29.27	19.29	-56.70	0.64	7.49
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-243.06	-23.98	-174.26	-20.00	-24.83

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	1	Basic	2030.59	446.09	1083.32	174.16	327.01
	16a	All smokers become quitters	35347.58	6942.99	22272.34	2812.95	3319.30
	16b	All CC smokers become MRTP	26207.85	5073.72	16415.02	2157.61	2561.50
	16c	Whole population become MRTP	7328.48	1213.86	4884.33	680.42	549.88
	16d	CC only switchers become quitters	21670.87	3867.43	13995.97	1816.72	1990.75
	17a	Alternative 1: LLLL	8329.70	1505.17	5211.56	729.44	883.53
	17b	Alternative 2: LLLS	8127.22	1465.71	5089.57	712.30	859.64
	17c	Alternative 3: LLSL	7302.75	1316.46	4573.73	638.07	774.49
	17d	Alternative 4: LLSS	7049.01	1268.58	4417.85	615.29	747.30
	17e	Alternative 5: LSLL	1866.72	421.53	977.27	155.73	312.19
	17f	Alternative 6: LSLS	1761.39	400.05	917.54	146.92	296.88
	17g	Alternative 7: LSSL	1716.16	398.06	881.42	141.96	294.73
	17h	Alternative 8: LSSS	1590.12	373.93	804.70	130.74	280.76
	17i	Alternative 9: SLLL	5090.13	949.22	3114.38	447.01	579.52
	17j	Alternative 10: SLLS	4377.02	810.43	2690.70	383.05	492.85
	17k	Alternative 11: SLSL	4459.74	829.55	2732.12	390.78	507.29
	17l	Alternative 12: SLSS	3775.47	700.67	2319.71	327.26	427.83
	17o	Alternative 13: SSLL	1249.53	304.46	606.56	102.65	235.86
	17p	Alternative 14: SSLS	1031.76	259.44	484.63	84.18	203.51
	17q	Alternative 15: SSSL	1158.36	292.16	546.87	93.76	225.56
	17r	Alternative 16: SSSS	931.70	247.01	413.60	73.73	197.36
	18a	Alternative 1: LLLL	2951.30	605.74	1674.89	253.52	417.16
	18b	Alternative 2: LLLS	2797.46	574.60	1586.16	240.41	396.29
	18c	Alternative 3: LLSL	2885.26	593.43	1636.07	246.28	409.49
	18d	Alternative 4: LLSS	2727.16	562.23	1542.91	232.75	389.26
	18e	Alternative 5: LSLL	1866.72	421.53	977.27	155.73	312.19
	18f	Alternative 6: LSLS	1761.39	400.05	917.54	146.92	296.88
	18g	Alternative 7: LSSL	1856.06	420.91	968.73	154.68	311.75
	18h	Alternative 8: LSSS	1734.20	396.90	897.27	144.41	295.63
	18i	Alternative 9: SLLL	2164.97	466.51	1179.56	185.14	333.77
	18j	Alternative 10: SLLS	1883.86	410.22	1017.47	160.14	296.02
	18k	Alternative 11: SLSL	2112.59	456.91	1148.44	179.18	328.06
	18l	Alternative 12: SLSS	1823.07	400.42	978.26	153.03	291.36
	18o	Alternative 13: SSLL	1403.13	333.56	698.82	115.89	254.87
	18p	Alternative 14: SSLS	1213.20	294.34	592.30	99.82	226.74
	18q	Alternative 15: SSSL	1396.59	333.89	692.54	115.14	255.02
	18r	Alternative 16: SSSS	1189.72	293.12	571.59	97.30	227.70
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	1626.50	365.45	847.29	140.89	272.88
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	1089.48	253.34	550.31	95.51	190.32
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	507.40	156.75	172.84	38.95	138.86
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-341.15	-6.64	-332.07	-42.55	40.10
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-798.84	-93.79	-602.56	-83.96	-18.53

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	1	Basic	2895.87	640.79	1563.86	230.91	460.31
	16a	All smokers become quitters	45814.37	12153.64	24940.75	3247.43	5472.56
	16b	All CC smokers become MRTP	33214.68	8312.29	18331.00	2459.10	4112.29
	16c	Whole population become MRTP	9029.13	1982.42	5238.33	745.62	1062.76
	16d	CC only switchers become quitters	32532.16	7486.24	18887.44	2468.10	3690.38
	17a	Alternative 1: LLLL	13727.30	2907.11	8031.96	1128.46	1659.77
	17b	Alternative 2: LLLS	13271.94	2805.66	7770.79	1091.63	1603.86
	17c	Alternative 3: LLSL	11852.45	2485.10	6959.07	987.15	1421.13
	17d	Alternative 4: LLSS	11303.82	2358.05	6656.63	941.83	1347.31
	17e	Alternative 5: LSLL	2499.37	551.90	1345.00	197.19	405.28
	17f	Alternative 6: LSLS	2249.05	498.20	1207.12	175.63	368.10
	17g	Alternative 7: LSSL	2151.25	484.48	1137.70	167.44	361.64
	17h	Alternative 8: LSSS	1850.23	421.12	965.77	139.69	323.65
	17i	Alternative 9: SLLL	8412.75	1775.79	4865.32	707.02	1064.62
	17j	Alternative 10: SLLS	6662.75	1397.61	3868.08	557.97	839.08
	17k	Alternative 11: SLSL	7254.35	1515.99	4216.35	616.66	905.35
	17l	Alternative 12: SLSS	5624.57	1162.26	3297.83	477.33	687.16
	17o	Alternative 13: SSLL	1538.83	354.98	789.02	113.95	280.88
	17p	Alternative 14: SSLS	1009.85	244.16	493.43	66.76	205.51
	17q	Alternative 15: SSSL	1322.51	313.58	660.42	96.73	251.78
	17r	Alternative 16: SSSS	772.56	196.88	352.36	45.70	177.62
	18a	Alternative 1: LLLL	4461.84	954.08	2509.84	365.62	632.30
	18b	Alternative 2: LLLS	4134.71	887.07	2320.04	337.82	589.78
	18c	Alternative 3: LLSL	4361.26	928.18	2461.63	358.90	612.54
	18d	Alternative 4: LLSS	4010.50	857.18	2255.94	328.46	568.92
	18e	Alternative 5: LSLL	2499.37	551.90	1345.00	197.19	405.28
	18f	Alternative 6: LSLS	2249.05	498.20	1207.12	175.63	368.10
	18g	Alternative 7: LSSL	2452.27	542.87	1316.45	192.84	400.11
	18h	Alternative 8: LSSS	2169.44	484.64	1154.79	168.09	361.92
	18i	Alternative 9: SLLL	3162.83	696.75	1727.46	253.71	484.90
	18j	Alternative 10: SLLS	2503.28	560.66	1349.37	195.62	397.64
	18k	Alternative 11: SLSL	3092.72	676.94	1697.06	249.75	468.98
	18l	Alternative 12: SLSS	2398.49	533.47	1299.38	188.22	377.41
	18o	Alternative 13: SSLL	1777.18	403.73	926.99	134.66	311.80
	18p	Alternative 14: SSLS	1316.73	306.87	670.19	93.81	245.85
	18q	Alternative 15: SSSL	1748.50	398.73	908.28	132.38	309.12
	18r	Alternative 16: SSSS	1240.77	294.10	619.82	86.72	240.12
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	2264.72	508.48	1200.28	174.59	381.36
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	1567.65	361.18	805.94	113.39	287.14
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	603.89	155.67	256.32	33.11	158.79
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-564.15	-116.31	-359.32	-53.93	-34.59
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-1215.54	-266.66	-697.06	-104.11	-147.71

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	1	Basic	3759.28	843.70	2024.04	316.60	574.95
	16a	All smokers become quitters	51978.81	16563.84	24785.83	3477.82	7151.33
	16b	All CC smokers become MRTP	36968.55	10760.39	18301.46	2633.54	5273.16
	16c	Whole population become MRTP	9504.81	2397.70	4996.05	757.72	1353.33
	16d	CC only switchers become quitters	38294.61	10551.26	19939.15	2784.03	5020.18
	17a	Alternative 1: LLLL	17841.09	4233.45	9763.49	1441.10	2403.06
	17b	Alternative 2: LLLS	17168.34	4069.84	9393.84	1391.81	2312.85
	17c	Alternative 3: LLSL	15318.43	3603.52	8400.37	1254.58	2059.96
	17d	Alternative 4: LLSS	14570.45	3413.40	8007.36	1199.45	1950.24
	17e	Alternative 5: LSLL	3286.24	728.22	1775.26	275.89	506.88
	17f	Alternative 6: LSLS	2927.71	649.69	1579.40	243.27	455.35
	17g	Alternative 7: LSSL	2690.82	608.02	1428.85	218.53	435.42
	17h	Alternative 8: LSSS	2256.43	510.41	1196.04	181.76	368.22
	17i	Alternative 9: SLLL	10888.95	2537.80	5910.04	896.78	1544.32
	17j	Alternative 10: SLLS	8156.67	1885.59	4452.52	677.74	1140.81
	17k	Alternative 11: SLSL	9379.23	2166.73	5116.62	785.52	1310.36
	17l	Alternative 12: SLSS	6942.38	1593.36	3806.02	583.95	959.04
	17o	Alternative 13: SSLL	2035.87	452.97	1084.02	167.72	331.16
	17p	Alternative 14: SSLS	1207.26	271.50	634.98	93.69	207.09
	17q	Alternative 15: SSSL	1634.48	377.23	841.70	126.66	288.90
	17r	Alternative 16: SSSS	818.91	192.03	412.68	57.60	156.61
	18a	Alternative 1: LLLL	5978.41	1328.69	3288.01	505.09	856.63
	18b	Alternative 2: LLLS	5483.54	1219.47	3013.82	462.13	788.12
	18c	Alternative 3: LLSL	5859.26	1304.12	3217.25	494.32	843.57
	18d	Alternative 4: LLSS	5309.81	1182.78	2914.67	446.46	765.90
	18e	Alternative 5: LSLL	3286.24	728.22	1775.26	275.89	506.88
	18f	Alternative 6: LSLS	2927.71	649.69	1579.40	243.27	455.35
	18g	Alternative 7: LSSL	3188.26	710.54	1715.30	265.75	496.67
	18h	Alternative 8: LSSS	2782.14	622.31	1491.62	229.77	438.45
	18i	Alternative 9: SLLL	4241.31	949.92	2298.12	355.76	637.49
	18j	Alternative 10: SLLS	3166.90	712.83	1709.81	262.09	482.17
	18k	Alternative 11: SLSL	4165.94	934.38	2252.92	349.35	629.28
	18l	Alternative 12: SLSS	3035.43	683.49	1638.11	250.52	463.31
	18o	Alternative 13: SSLL	2345.28	520.84	1255.12	194.58	374.74
	18p	Alternative 14: SSLS	1631.52	364.30	867.99	130.75	268.48
	18q	Alternative 15: SSSL	2279.07	511.85	1209.12	187.00	371.10
	18r	Alternative 16: SSSS	1509.75	340.78	795.99	119.69	253.29
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	2842.14	630.90	1534.78	241.53	434.94
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	1902.49	417.38	1026.88	161.65	296.58
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	771.68	161.01	406.92	66.45	137.30
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-418.73	-119.08	-218.43	-22.75	-58.46
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-1125.08	-289.22	-564.22	-80.96	-190.69

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: M (Males), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	1	Basic	35206.48	7687.58	19188.66	3064.33	5265.91
	16a	All smokers become quitters	605320.8	143456.0	350437.2	46290.58	65137.04
	16b	All CC smokers become MRTP	443626.7	99889.54	259044.3	35417.83	49275.07
	16c	Whole population become MRTP	121257.9	23388.37	75601.15	10683.62	11584.76
	16d	CC only switchers become quitters	386915.0	84021.26	230610.0	31033.05	41250.69
	17a	Alternative 1: LLLL	158456.2	32529.70	93928.80	13578.61	18419.06
	17b	Alternative 2: LLLS	153705.5	31486.68	91192.20	13195.04	17831.61
	17c	Alternative 3: LLSL	137710.0	28004.77	81925.39	11907.88	15871.93
	17d	Alternative 4: LLSS	132054.7	26734.21	78740.09	11438.28	15142.12
	17e	Alternative 5: LSLL	31679.55	6932.75	17186.47	2737.05	4823.28
	17f	Alternative 6: LSLS	29078.03	6374.92	15755.54	2508.34	4439.23
	17g	Alternative 7: LSSL	27868.35	6200.72	14930.31	2392.18	4345.14
	17h	Alternative 8: LSSS	24779.00	5558.17	13161.74	2110.98	3948.12
	17i	Alternative 9: SLLL	96391.55	19828.47	56378.99	8404.15	11779.94
	17j	Alternative 10: SLLS	78106.34	15857.89	46054.52	6836.24	9357.68
	17k	Alternative 11: SLSL	83705.16	17053.46	49224.74	7362.13	10064.84
	17l	Alternative 12: SLSS	66759.72	13410.55	39634.06	5890.16	7824.95
	17o	Alternative 13: SSLL	20146.57	4614.48	10479.36	1706.39	3346.33
	17p	Alternative 14: SSLS	14510.27	3413.51	7381.48	1204.75	2510.53
	17q	Alternative 15: SSSL	17750.78	4170.61	9045.24	1488.79	3046.13
	17r	Alternative 16: SSSS	12037.95	2954.34	5869.45	972.43	2241.74
	18a	Alternative 1: LLLL	53802.22	11309.85	30487.15	4702.52	7302.70
	18b	Alternative 2: LLLS	50298.76	10575.54	28493.66	4398.19	6831.36
	18c	Alternative 3: LLSL	52668.08	11060.79	29865.35	4604.57	7137.36
	18d	Alternative 4: LLSS	48935.74	10284.14	27729.34	4276.45	6645.81
	18e	Alternative 5: LSLL	31679.55	6932.75	17186.47	2737.05	4823.28
	18f	Alternative 6: LSLS	29078.03	6374.92	15755.54	2508.34	4439.23
	18g	Alternative 7: LSSL	31153.21	6845.10	16849.82	2685.43	4772.86
	18h	Alternative 8: LSSS	28291.57	6251.51	15227.95	2433.92	4378.19
	18i	Alternative 9: SLLL	38550.00	8352.71	21256.83	3351.49	5588.97
	18j	Alternative 10: SLLS	31488.96	6869.64	17276.05	2724.81	4618.45
	18k	Alternative 11: SLSL	37721.80	8166.20	20809.60	3281.52	5464.48
	18l	Alternative 12: SLSS	30346.67	6615.18	16656.10	2623.29	4452.10
	18o	Alternative 13: SSLL	23010.33	5188.85	12144.91	1962.97	3713.59
	18p	Alternative 14: SSLS	18120.26	4145.01	9457.16	1528.91	2989.18
	18q	Alternative 15: SSSL	22666.29	5143.57	11901.95	1928.54	3692.23
	18r	Alternative 16: SSSS	17438.59	4046.41	8980.71	1463.49	2947.98
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	27485.96	6066.92	14794.58	2392.60	4231.85
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	18402.27	4134.23	9746.40	1600.72	2920.92
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	7983.90	2075.74	3512.92	670.83	1724.41
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-5838.35	-912.65	-4156.96	-503.96	-264.78
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-14022.0	-2717.84	-8508.38	-1209.08	-1586.65

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	01	Basic	119.99	21.96	65.88	20.96	11.17
	02	Simulation analysis	261.06	67.96	106.24	35.93	50.93
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	175.19	36.48	88.46	28.76	21.49
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	161.38	32.85	82.81	26.81	18.91
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	147.58	29.22	77.17	24.86	16.33
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	133.78	25.59	71.53	22.91	13.75
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	106.20	18.34	60.25	19.02	8.60
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	92.41	14.71	54.61	17.07	6.02
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	78.64	11.09	48.97	15.12	3.44
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	64.86	7.48	43.34	13.18	0.87
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	37.34	0.25	32.08	9.29	-4.28
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	9.83	-6.98	20.83	5.40	-9.43
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	-17.65	-14.19	9.59	1.52	-14.57
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	187.02	39.74	93.08	30.23	23.97
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	170.25	35.29	86.28	27.92	20.77
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	153.49	30.84	79.48	25.60	17.57
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	136.73	26.40	72.68	23.28	14.37
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	103.25	17.52	59.09	18.65	7.98
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	86.51	13.09	52.30	16.33	4.79
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	69.79	8.66	45.52	14.02	1.59
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	53.08	4.23	38.73	11.70	-1.60
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	19.67	-4.61	25.18	7.08	-7.97
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	-13.70	-13.44	11.63	2.45	-14.35
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	-47.05	-22.26	-1.90	-2.17	-20.71
	04a	Effective dose for dual use (G) = 0.4	143.61	28.47	75.12	23.92	16.11
	04b	Effective dose for dual use (G) = 0.8	96.38	15.47	56.66	18.01	6.24
	04c	Effective dose for dual use (G) = 1.0	72.79	8.98	47.44	15.06	1.31
	04d	Effective dose for dual use (G) = 1.2	49.23	2.50	38.23	12.11	-3.61
	04e	Effective dose for dual use (G) = 1.5	13.92	-7.21	24.43	7.69	-10.99
	04f	Effective dose for dual use (G) = 2.0	-44.81	-23.33	1.47	0.33	-23.27
	05a	STP factor 1 = 1	120.12	21.99	65.95	20.99	11.19
	05b	STP factor 1 = 1.5	121.72	22.44	66.62	21.19	11.46
	05c	STP factor 1 = 2.5	120.54	22.07	66.17	21.07	11.22
	05d	STP factor 1 = 3	119.39	21.76	65.68	20.92	11.03
	05e	STP factor 1 = 2, factor 4 = 0.5	120.35	22.01	66.14	21.01	11.18
	05f	STP factor 1 = 2, factor 4 = 1	120.35	22.01	66.14	21.01	11.18
	05g	STP factor 1 = 2, factor 4 Ignored	118.21	21.24	65.65	20.89	10.42
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	121.72	22.44	66.62	21.19	11.46
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	118.21	21.24	65.65	20.89	10.42
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	118.21	21.24	65.65	20.89	10.42
	06a	STP factor 2 = 1	129.31	24.01	70.87	21.60	12.83
	06b	STP factor 2 = 1.5	127.34	23.78	69.41	21.37	12.78
	06c	STP factor 2 = 2.5	116.48	21.18	64.67	19.89	10.73
	06d	STP factor 2 = 3	120.80	22.51	66.22	20.65	11.42
	07a	STP factor 3 = 1	113.43	20.44	62.58	19.94	10.47
	07b	STP factor 3 = 1.5	115.26	20.72	64.14	20.45	9.95
	07c	STP factor 3 = 2.5	120.32	21.40	67.43	21.93	9.55
	07d	STP factor 3 = 3	121.56	21.19	68.31	23.11	8.94
	08a	Definition of short-term quitting (years) = 1	120.23	22.26	65.64	20.78	11.55
	08b	Definition of short-term quitting (years) = 3	112.61	19.64	63.23	19.87	9.88
	09a	Relative Risk: 20% reduction	114.06	24.28	60.11	18.78	10.89
	09b	Relative Risk: 20% increase	123.75	19.95	69.97	22.61	11.21
	09c	Relative Risk: From US Surgeon General 2014	126.11	17.36	79.15	24.70	4.90
	10a	Half Life: 20% reduction	142.84	27.74	76.66	24.96	13.47
	10b	Half Life: 20% increase	103.75	18.37	57.58	18.08	9.72

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	01	Basic	512.36	103.68	276.77	86.59	45.33
	02	Simulation analysis	925.61	236.88	379.01	119.48	190.24
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	703.49	154.38	353.79	109.98	85.34
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	655.62	141.67	334.50	104.12	75.32
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	607.81	128.98	315.24	98.27	65.31
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	560.05	116.32	295.99	92.43	55.31
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	464.73	91.06	257.57	80.75	35.35
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	417.16	78.47	238.39	74.92	25.39
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	369.66	65.90	219.23	69.09	15.44
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	322.21	53.36	200.09	63.27	5.49
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	227.49	28.34	161.87	51.63	-14.35
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	133.01	3.42	123.74	40.01	-34.16
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	38.77	-21.41	85.68	28.41	-53.92
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	739.15	163.27	369.28	114.80	91.81
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	682.33	148.32	346.10	107.74	80.16
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	625.59	133.41	322.96	100.68	68.54
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	568.93	118.53	299.85	93.63	56.92
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	455.88	88.86	253.72	79.55	33.75
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	399.48	74.08	230.70	72.52	22.18
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	343.16	59.33	207.71	65.49	10.63
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	286.93	44.61	184.76	58.48	-0.91
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	174.72	15.27	138.93	44.46	-23.94
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	62.84	-13.94	93.23	30.46	-46.91
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	-48.71	-43.03	47.65	16.49	-69.82
	04a	Effective dose for dual use (G) = 0.4	583.38	121.34	307.62	96.21	58.20
	04b	Effective dose for dual use (G) = 0.8	441.50	86.07	245.98	76.98	32.47
	04c	Effective dose for dual use (G) = 1.0	370.79	68.51	215.27	67.39	19.63
	04d	Effective dose for dual use (G) = 1.2	300.23	51.00	184.61	57.81	6.82
	04e	Effective dose for dual use (G) = 1.5	194.68	24.83	138.75	43.46	-12.37
	04f	Effective dose for dual use (G) = 2.0	19.49	-18.53	62.64	19.62	-44.24
	05a	STP factor 1 = 1	518.79	105.40	278.79	87.65	46.95
	05b	STP factor 1 = 1.5	523.34	106.58	280.45	88.23	48.07
	05c	STP factor 1 = 2.5	513.93	104.10	277.47	86.79	45.58
	05d	STP factor 1 = 3	505.70	102.06	274.32	85.58	43.73
	05e	STP factor 1 = 2, factor 4 = 0.5	513.53	103.91	277.51	86.73	45.39
	05f	STP factor 1 = 2, factor 4 = 1	508.10	102.29	275.37	86.07	44.37
	05g	STP factor 1 = 2, factor 4 Ignored	502.59	100.75	273.00	85.35	43.49
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	523.45	106.67	280.43	88.26	48.09
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	505.05	101.27	274.25	85.79	43.73
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	504.62	101.23	274.02	85.67	43.70
	06a	STP factor 2 = 1	516.42	100.00	290.01	89.75	36.65
	06b	STP factor 2 = 1.5	488.87	93.19	278.26	86.20	31.23
	06c	STP factor 2 = 2.5	491.27	96.11	273.14	85.07	36.96
	06d	STP factor 2 = 3	518.21	105.90	281.08	86.23	45.00
	07a	STP factor 3 = 1	496.05	99.47	271.01	83.84	41.73
	07b	STP factor 3 = 1.5	510.05	103.66	274.83	85.10	46.46
	07c	STP factor 3 = 2.5	548.86	114.87	288.24	90.61	55.14
	07d	STP factor 3 = 3	584.26	125.99	298.33	93.06	66.87
	08a	Definition of short-term quitting (years) = 1	515.92	104.41	278.86	86.94	45.71
	08b	Definition of short-term quitting (years) = 3	531.07	107.73	284.60	89.95	48.79
	09a	Relative Risk: 20% reduction	488.66	114.54	252.56	77.24	44.32
	09b	Relative Risk: 20% increase	527.02	94.24	293.74	93.70	45.35
	09c	Relative Risk: From US Surgeon General 2014	516.63	86.79	320.74	90.63	18.47
	10a	Half Life: 20% reduction	585.99	128.12	304.13	99.85	53.90
	10b	Half Life: 20% increase	457.92	88.14	253.57	76.32	39.90

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	01	Basic	1497.71	405.16	640.57	209.43	242.55
	02	Simulation analysis	1644.23	470.69	625.98	187.29	360.28
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	1808.40	495.56	759.58	244.40	308.87
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	1730.46	472.85	729.73	235.64	292.24
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	1652.70	450.22	699.95	226.89	275.65
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	1575.12	427.65	670.23	218.15	259.09
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	1420.48	382.74	610.97	200.72	226.05
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	1343.42	360.40	581.43	192.02	209.57
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	1266.53	338.13	551.95	183.33	193.13
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	1189.82	315.92	522.53	174.66	176.71
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	1036.91	271.73	463.87	157.34	143.96
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	884.68	227.82	405.44	140.08	111.33
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	733.12	184.19	347.24	122.86	78.82
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	1880.21	516.25	786.96	252.80	324.20
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	1784.18	488.31	750.22	241.93	303.72
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	1688.42	460.48	713.58	231.08	283.29
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	1592.94	432.77	677.03	220.24	262.90
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	1402.75	377.67	604.20	198.63	222.25
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	1308.06	350.28	567.93	187.86	202.00
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	1213.63	323.00	531.75	177.10	181.78
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	1119.45	295.82	495.66	166.36	161.61
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	931.88	241.79	423.74	144.94	121.41
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	745.34	188.18	352.18	123.60	81.38
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	559.81	134.99	280.97	102.32	41.52
	04a	Effective dose for dual use (G) = 0.4	1640.19	446.07	694.94	226.15	273.03
	04b	Effective dose for dual use (G) = 0.8	1355.88	364.51	586.43	192.76	212.18
	04c	Effective dose for dual use (G) = 1.0	1214.69	324.11	532.53	176.14	181.91
	04d	Effective dose for dual use (G) = 1.2	1074.14	283.97	478.86	159.57	151.75
	04e	Effective dose for dual use (G) = 1.5	864.49	224.21	398.78	134.81	106.70
	04f	Effective dose for dual use (G) = 2.0	518.16	125.84	266.42	93.78	32.12
	05a	STP factor 1 = 1	1511.75	409.63	644.61	210.45	247.06
	05b	STP factor 1 = 1.5	1516.20	411.17	645.42	210.47	249.13
	05c	STP factor 1 = 2.5	1495.89	404.99	639.34	208.80	242.76
	05d	STP factor 1 = 3	1479.85	400.23	633.96	207.51	238.14
	05e	STP factor 1 = 2, factor 4 = 0.5	1492.82	404.04	638.23	208.69	241.85
	05f	STP factor 1 = 2, factor 4 = 1	1463.41	395.15	628.39	205.65	234.22
	05g	STP factor 1 = 2, factor 4 Ignored	1429.07	385.36	615.17	201.48	227.06
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	1522.47	412.71	648.76	211.26	249.75
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	1473.46	397.68	632.55	206.94	236.28
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	1469.15	396.82	630.34	206.12	235.87
	06a	STP factor 2 = 1	1544.83	414.45	670.34	220.05	239.99
	06b	STP factor 2 = 1.5	1495.90	400.74	650.90	212.94	231.32
	06c	STP factor 2 = 2.5	1423.79	384.29	613.56	200.50	225.45
	06d	STP factor 2 = 3	1425.12	383.59	619.04	199.77	222.73
	07a	STP factor 3 = 1	1479.18	399.59	632.91	208.10	238.58
	07b	STP factor 3 = 1.5	1462.13	394.40	627.40	205.38	234.94
	07c	STP factor 3 = 2.5	1557.28	426.73	650.89	212.08	267.58
	07d	STP factor 3 = 3	1576.59	432.91	655.68	213.04	274.96
	08a	Definition of short-term quitting (years) = 1	1495.37	405.15	638.14	208.61	243.47
	08b	Definition of short-term quitting (years) = 3	1511.00	406.46	650.45	213.61	240.47
	09a	Relative Risk: 20% reduction	1430.48	444.85	567.43	181.51	236.68
	09b	Relative Risk: 20% increase	1544.76	369.96	698.82	233.01	242.98
	09c	Relative Risk: From US Surgeon General 2014	1571.74	300.74	883.72	299.49	87.79
	10a	Half Life: 20% reduction	1731.95	501.11	704.82	234.79	291.23
	10b	Half Life: 20% increase	1330.68	342.24	588.48	188.62	211.34

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	01	Basic	2861.66	890.49	1002.70	327.67	640.80
	02	Simulation analysis	2148.33	657.14	763.94	247.59	479.66
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	3284.12	1026.00	1148.52	372.90	736.70
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	3177.97	991.87	1111.91	361.56	712.63
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	3072.18	957.91	1075.40	350.24	688.63
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	2966.74	924.12	1039.00	338.94	664.68
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	2756.93	857.03	966.51	316.42	616.97
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	2652.54	823.72	930.41	305.19	593.21
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	2548.49	790.58	894.42	293.99	569.50
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	2444.79	757.60	858.53	282.80	545.86
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	2238.41	692.10	787.06	260.51	498.74
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	2033.38	627.23	715.98	238.30	451.86
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	1829.67	562.97	645.30	216.19	405.21
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	3380.28	1056.32	1181.80	383.24	758.92
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	3249.81	1014.49	1136.78	369.30	729.25
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	3119.89	972.91	1091.92	355.38	699.67
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	2990.51	931.58	1047.23	341.51	670.19
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	2733.35	849.65	958.33	313.87	611.50
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	2605.56	809.05	914.13	300.10	582.29
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	2478.30	768.69	870.08	286.37	553.16
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	2351.55	728.56	826.19	272.68	524.13
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	2099.61	649.01	738.87	245.39	466.33
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	1849.68	570.37	652.17	218.25	408.88
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	1601.75	492.64	566.08	191.25	351.78
	04a	Effective dose for dual use (G) = 0.4	3051.69	950.11	1068.54	348.19	684.85
	04b	Effective dose for dual use (G) = 0.8	2672.97	831.43	937.31	307.26	596.97
	04c	Effective dose for dual use (G) = 1.0	2485.60	772.93	872.36	286.95	553.36
	04d	Effective dose for dual use (G) = 1.2	2299.52	714.96	807.85	266.74	509.97
	04e	Effective dose for dual use (G) = 1.5	2022.79	629.00	711.88	236.62	445.29
	04f	Effective dose for dual use (G) = 2.0	1567.75	488.31	553.99	186.91	338.54
	05a	STP factor 1 = 1	2865.37	891.58	1004.12	328.07	641.59
	05b	STP factor 1 = 1.5	2866.11	891.54	1004.99	328.34	641.24
	05c	STP factor 1 = 2.5	2851.97	887.97	998.31	325.97	639.71
	05d	STP factor 1 = 3	2842.55	885.40	993.81	324.72	638.63
	05e	STP factor 1 = 2, factor 4 = 0.5	2838.63	884.02	993.57	324.32	636.72
	05f	STP factor 1 = 2, factor 4 = 1	2801.20	872.16	981.09	320.29	627.67
	05g	STP factor 1 = 2, factor 4 Ignored	2754.92	856.67	965.76	315.64	616.85
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	2867.83	892.75	1004.84	328.13	642.12
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	2832.47	880.79	994.35	324.63	632.70
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	2819.48	877.07	989.35	322.42	630.64
	06a	STP factor 2 = 1	3056.88	948.57	1069.44	350.90	687.97
	06b	STP factor 2 = 1.5	2914.91	901.74	1033.41	339.13	640.63
	06c	STP factor 2 = 2.5	2754.04	854.15	972.57	320.99	606.33
	06d	STP factor 2 = 3	2733.21	849.09	964.20	315.16	604.76
	07a	STP factor 3 = 1	2840.80	884.62	994.82	326.40	634.96
	07b	STP factor 3 = 1.5	2834.90	881.66	994.57	325.00	633.68
	07c	STP factor 3 = 2.5	2899.43	903.70	1007.25	328.67	659.81
	07d	STP factor 3 = 3	2890.31	899.30	1008.15	329.57	653.29
	08a	Definition of short-term quitting (years) = 1	2853.40	887.11	1002.29	327.32	636.68
	08b	Definition of short-term quitting (years) = 3	2904.39	902.24	1019.62	333.15	649.37
	09a	Relative Risk: 20% reduction	2751.55	971.16	877.90	281.38	621.12
	09b	Relative Risk: 20% increase	2936.39	817.20	1105.97	367.77	645.46
	09c	Relative Risk: From US Surgeon General 2014	2988.86	646.84	1528.45	552.69	260.89
	10a	Half Life: 20% reduction	3285.22	1085.05	1083.80	356.26	760.10
	10b	Half Life: 20% increase	2555.29	757.60	934.09	302.17	561.42

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	01	Basic	16403.40	4507.50	6963.16	2218.76	2713.98
	02	Simulation analysis	18479.23	5248.83	7083.88	2206.66	3939.86
	03a	Effective dose for MRTP only (F) = 0, (G) = 0.6	20068.25	5571.10	8362.01	2644.05	3491.10
	03b	Effective dose for MRTP only (F) = 0.05, (G) = 0.6	19149.11	5303.93	8011.34	2537.52	3296.32
	03c	Effective dose for MRTP only (F) = 0.1, (G) = 0.6	18231.92	5037.61	7661.31	2431.13	3101.87
	03d	Effective dose for MRTP only (F) = 0.15, (G) = 0.6	17316.69	4772.14	7311.91	2324.88	2907.76
	03e	Effective dose for MRTP only (F) = 0.25, (G) = 0.6	15492.04	4243.70	6615.03	2112.78	2520.52
	03f	Effective dose for MRTP only (F) = 0.3, (G) = 0.6	14582.60	3980.73	6267.54	2006.93	2327.40
	03g	Effective dose for MRTP only (F) = 0.35, (G) = 0.6	13675.07	3718.59	5920.67	1901.21	2134.60
	03h	Effective dose for MRTP only (F) = 0.4, (G) = 0.6	12769.45	3457.26	5574.42	1795.62	1942.14
	03i	Effective dose for MRTP only (F) = 0.5, (G) = 0.6	10963.87	2937.05	4883.79	1584.85	1558.18
	03j	Effective dose for MRTP only (F) = 0.6, (G) = 0.6	9165.80	2420.07	4195.60	1374.61	1175.52
	03k	Effective dose for MRTP only (F) = 0.7, (G) = 0.6	7375.16	1906.27	3509.85	1164.90	794.15
	03l	Effective dose for MRTP only (F) = 0, (G) = FROMF	20853.52	5795.88	8666.79	2738.13	3652.71
	03m	Effective dose for MRTP only (F) = 0.05, (G) = FROMF	19736.61	5471.92	8239.41	2607.98	3417.30
	03n	Effective dose for MRTP only (F) = 0.1, (G) = FROMF	18622.64	5149.21	7813.02	2478.03	3182.37
	03o	Effective dose for MRTP only (F) = 0.15, (G) = FROMF	17511.57	4827.74	7387.60	2348.29	2947.93
	03p	Effective dose for MRTP only (F) = 0.25, (G) = FROMF	15298.10	4188.49	6539.68	2089.43	2480.50
	03q	Effective dose for MRTP only (F) = 0.3, (G) = FROMF	14195.66	3870.69	6117.16	1960.31	2247.50
	03r	Effective dose for MRTP only (F) = 0.35, (G) = FROMF	13096.05	3554.09	5695.59	1831.39	2014.98
	03s	Effective dose for MRTP only (F) = 0.4, (G) = FROMF	11999.27	3238.69	5274.97	1702.68	1782.93
	03t	Effective dose for MRTP only (F) = 0.5, (G) = FROMF	9814.10	2611.45	4436.54	1445.85	1320.26
	03u	Effective dose for MRTP only (F) = 0.6, (G) = FROMF	7640.01	1988.89	3601.82	1189.82	859.47
	03v	Effective dose for MRTP only (F) = 0.7, (G) = FROMF	5476.87	1370.95	2770.76	934.59	400.55
	04a	Effective dose for dual use (G) = 0.4	17962.01	4952.11	7568.56	2406.06	3035.29
	04b	Effective dose for dual use (G) = 0.8	14851.46	4065.54	6360.23	2032.00	2393.68
	04c	Effective dose for dual use (G) = 1.0	13306.10	3626.18	5759.73	1845.78	2074.40
	04d	Effective dose for dual use (G) = 1.2	11767.25	3189.40	5161.63	1660.09	1756.13
	04e	Effective dose for dual use (G) = 1.5	9470.99	2538.96	4268.90	1382.53	1280.60
	04f	Effective dose for dual use (G) = 2.0	5675.31	1467.30	2792.53	922.50	492.97
	05a	STP factor 1 = 1	16490.20	4534.45	6987.43	2227.92	2740.41
	05b	STP factor 1 = 1.5	16535.44	4546.45	7004.93	2231.59	2752.47
	05c	STP factor 1 = 2.5	16374.24	4500.88	6948.33	2212.75	2712.28
	05d	STP factor 1 = 3	16239.77	4464.22	6894.74	2197.93	2682.88
	05e	STP factor 1 = 2, factor 4 = 0.5	16336.94	4489.20	6937.00	2208.71	2702.03
	05f	STP factor 1 = 2, factor 4 = 1	16091.84	4412.16	6857.12	2182.63	2639.94
	05g	STP factor 1 = 2, factor 4 Ignored	15786.57	4318.28	6748.90	2147.69	2571.71
	05h	STP factor 1 = 2, factor 4 = 0 after 1 year	16576.55	4558.68	7022.81	2236.19	2758.87
	05i	STP factor 1 = 2, factor 4 = 0 after 3 years	16197.74	4439.16	6900.92	2198.53	2659.14
	05j	STP factor 1 = 2, factor 4 = 0 after 4 years	16143.34	4425.69	6876.65	2188.87	2652.13
	06a	STP factor 2 = 1	17044.20	4641.31	7332.91	2335.68	2734.31
	06b	STP factor 2 = 1.5	16431.78	4467.38	7100.95	2259.57	2603.89
	06c	STP factor 2 = 2.5	15896.77	4353.85	6791.86	2164.29	2586.77
	06d	STP factor 2 = 3	16022.02	4396.41	6842.37	2154.73	2628.51
	07a	STP factor 3 = 1	16150.32	4434.20	6867.60	2194.29	2654.23
	07b	STP factor 3 = 1.5	16133.81	4423.63	6870.52	2185.86	2653.80
	07c	STP factor 3 = 2.5	16931.55	4681.03	7091.85	2259.74	2898.94
	07d	STP factor 3 = 3	17124.74	4734.32	7154.22	2277.66	2958.54
	08a	Definition of short-term quitting (years) = 1	16392.79	4506.44	6954.84	2214.87	2716.65
	08b	Definition of short-term quitting (years) = 3	16579.60	4535.05	7067.21	2257.55	2719.79
	09a	Relative Risk: 20% reduction	15689.80	4935.70	6186.28	1929.39	2638.42
	09b	Relative Risk: 20% increase	16889.73	4124.17	7577.50	2460.96	2727.10
	09c	Relative Risk: From US Surgeon General 2014	16953.24	3363.31	9500.09	3065.37	1024.47
	10a	Half Life: 20% reduction	18866.04	5533.75	7618.94	2481.52	3231.83
	10b	Half Life: 20% increase	14622.64	3825.05	6418.85	2002.79	2375.95

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	1	Basic	119.99	21.96	65.88	20.96	11.17
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	118.47	21.83	64.96	20.59	11.09
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	121.40	22.09	66.71	21.33	11.27
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	22.74	-4.61	27.98	7.81	-8.44
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	214.36	49.30	98.91	33.02	33.14
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	118.95	21.87	65.27	20.70	11.11
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	118.02	21.77	64.77	20.43	11.04
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	114.89	21.46	62.98	19.60	10.85
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	117.17	21.69	64.31	20.19	10.98
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	113.15	21.31	62.10	19.07	10.67
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	104.08	20.45	57.07	16.56	10.00
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	97.21	19.79	53.17	14.69	9.56
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	70.51	17.22	38.52	7.14	7.62
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	51.74	2.84	40.33	12.17	-3.61
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	5.56	-9.91	21.84	6.91	-13.28
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	-106.55	-40.57	-22.77	-8.32	-34.90
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	-302.56	-98.37	-91.02	-31.19	-81.99
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-1589.73	-449.50	-591.98	-199.07	-349.19
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-2793.11	-758.69	-1092.75	-365.06	-576.61
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	118.25	21.50	65.12	20.73	10.90
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	118.35	21.51	65.18	20.76	10.90
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	122.01	22.43	66.90	21.26	11.42
	13d	Multiply MRTP Quitting MRTP, Dual by 2	123.71	22.84	67.64	21.53	11.70
	13e	Multiply MRTP Quitting CC Only by 0.0	-574.93	-147.16	-244.34	-82.79	-100.64
	13f	Multiply MRTP Quitting CC Only by 0.25	-370.09	-94.28	-157.03	-55.08	-63.71
	13g	Multiply MRTP Quitting CC Only by 0.5	-211.44	-55.66	-86.12	-31.72	-37.94
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	41.95	2.35	32.74	9.29	-2.43
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	-1.74	-7.20	11.56	2.03	-8.12
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	-53.90	-17.90	-15.45	-7.69	-12.86
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	54.27	6.12	36.87	10.45	0.83
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	446.91	99.61	214.61	72.03	60.66
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	967.04	227.34	451.73	151.67	136.31
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	119.99	21.77	66.29	20.82	11.12
	14e	Multiply Switching to Dual Pcd, Pmd by 5	63.96	3.37	48.91	15.41	-3.73
	14f	Multiply Switching to Dual Pcd, Pmd by 10	126.00	19.87	75.14	23.04	7.95
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	120.12	21.99	65.95	20.99	11.19
	14h	Multiply Switching to CC Pmc, Pdc by 5	89.96	14.24	54.16	16.03	5.53
	14i	Multiply Switching to CC Pmc, Pdc by 10	83.13	12.20	51.51	15.23	4.19
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	39.63	1.15	32.64	9.92	-4.08
	14k	Multiply Switching from CC Pcm, Pcd by 5	486.78	111.15	231.07	77.50	67.06
	14l	Multiply Switching from CC Pcm, Pcd by 10	1019.47	236.68	481.53	161.17	140.09
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	120.12	21.99	65.95	20.99	11.19
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	91.60	14.59	54.99	16.32	5.71
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	74.23	10.19	46.96	13.87	3.21
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	119.99	21.96	65.88	20.96	11.17
	14q	Multiply Switching from Dual Pdc, Pdm by 5	119.84	21.95	65.79	20.93	11.17
	14r	Multiply Switching from Dual Pdc, Pdm by 10	121.78	22.45	66.66	21.21	11.46
	14s	Multiply Switching to CC Pmc, Pdc by 20	84.74	12.67	52.16	15.44	4.47
	14t	Multiply Switching to CC Pmc, Pdc by 50	45.61	2.41	36.57	10.01	-3.37
	14u	Multiply Switching to CC Pmc, Pdc by 100	9.36	-8.47	23.84	6.18	-12.19
	14v	Multiply Switching to CC Pmc, Pdc by 150	-15.05	-14.27	13.01	1.93	-15.72
	15	Adjustment for population size	119.85	21.88	65.86	20.96	11.15

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	1	Basic	512.36	103.68	276.77	86.59	45.33
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	501.11	102.13	270.61	83.83	44.54
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	521.81	104.91	282.01	88.91	45.98
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	243.93	29.32	176.59	56.21	-18.19
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	772.93	179.87	369.08	112.97	111.01
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	504.51	102.63	272.47	84.64	44.77
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	500.04	101.94	270.27	83.44	44.38
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	488.26	100.18	264.22	80.38	43.48
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	496.11	101.38	268.36	82.34	44.03
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	479.25	98.93	260.01	77.72	42.59
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	438.90	93.24	239.32	66.97	39.37
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	410.91	89.07	225.58	59.26	37.00
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	288.49	72.07	164.02	25.55	26.85
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	303.34	46.72	198.60	62.26	-4.24
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	241.70	28.81	173.40	56.22	-16.74
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	-58.18	-54.59	62.95	23.48	-90.02
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	-489.25	-173.49	-100.91	-24.76	-190.08
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-3204.99	-895.10	-1179.82	-334.40	-795.67
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-5632.56	-1502.23	-2195.95	-634.86	-1299.51
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	487.83	97.45	267.48	83.03	39.86
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	505.15	102.12	273.49	85.48	44.06
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	540.23	110.98	288.27	90.32	50.65
	13d	Multiply MRTP Quitting MRTP, Dual by 2	563.96	117.42	297.39	93.09	56.06
	13e	Multiply MRTP Quitting CC Only by 0.0	-1983.54	-519.11	-805.05	-248.31	-411.07
	13f	Multiply MRTP Quitting CC Only by 0.25	-1390.13	-374.57	-550.56	-166.92	-298.09
	13g	Multiply MRTP Quitting CC Only by 0.5	-866.72	-243.70	-324.97	-96.57	-201.48
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	278.03	43.58	172.79	57.73	3.93
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	28.24	-17.79	65.70	23.57	-43.24
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	-249.29	-92.53	-48.62	-10.39	-97.76
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	299.50	50.46	178.95	60.11	9.98
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	1670.85	387.20	807.35	250.61	225.70
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	3283.73	818.58	1494.90	458.38	511.87
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	520.87	103.98	282.05	88.86	45.98
	14e	Multiply Switching to Dual Pcd, Pmd by 5	561.49	106.25	317.27	101.10	36.87
	14f	Multiply Switching to Dual Pcd, Pmd by 10	707.36	140.57	390.45	122.83	53.51
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	525.07	107.04	281.23	88.42	48.37
	14h	Multiply Switching to CC Pmc, Pdc by 5	414.53	74.46	244.99	79.17	15.91
	14i	Multiply Switching to CC Pmc, Pdc by 10	356.07	58.34	224.74	72.45	0.53
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	262.96	42.83	160.40	54.18	5.54
	14k	Multiply Switching from CC Pcm, Pcd by 5	1793.52	426.10	849.90	265.29	252.23
	14l	Multiply Switching from CC Pcm, Pcd by 10	3448.35	854.82	1583.91	480.82	528.80
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	519.05	105.43	278.94	87.72	46.96
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	420.09	76.92	244.68	78.75	19.74
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	338.31	56.10	212.05	67.40	2.76
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	516.28	104.95	277.82	86.89	46.62
	14q	Multiply Switching from Dual Pdc, Pdm by 5	506.10	101.25	276.37	86.82	41.66
	14r	Multiply Switching from Dual Pdc, Pdm by 10	506.68	101.13	277.22	86.98	41.35
	14s	Multiply Switching to CC Pmc, Pdc by 20	322.59	49.53	212.23	67.23	-6.41
	14t	Multiply Switching to CC Pmc, Pdc by 50	188.99	16.58	154.63	49.26	-31.48
	14u	Multiply Switching to CC Pmc, Pdc by 100	10.62	-29.86	83.82	25.16	-68.51
	14v	Multiply Switching to CC Pmc, Pdc by 150	-71.68	-50.82	46.84	13.99	-81.70
	15	Adjustment for population size	512.34	103.64	276.69	86.53	45.48

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	1	Basic	1497.71	405.16	640.57	209.43	242.55
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	1456.07	398.40	618.77	200.14	238.76
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	1530.06	410.69	656.91	216.86	245.61
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	1126.73	289.67	514.32	173.55	149.20
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	1892.24	521.79	788.08	252.41	329.96
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	1472.08	400.93	627.35	203.60	240.20
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	1453.77	398.07	618.11	199.33	238.26
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	1416.68	391.38	599.79	190.82	234.69
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	1435.19	395.63	609.98	194.07	235.51
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	1380.29	386.66	584.32	180.18	229.14
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	1257.97	365.35	525.63	150.46	216.53
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	1183.26	351.96	491.16	131.80	208.34
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	885.19	296.35	352.21	58.66	177.96
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	1217.60	320.98	537.82	180.97	177.83
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	1140.91	299.04	507.18	172.94	161.74
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	807.14	191.49	403.70	145.68	66.26
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	189.20	9.48	176.31	79.10	-75.69
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-3184.13	-972.91	-1073.44	-267.57	-870.21
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-6297.49	-1838.71	-2251.57	-598.74	-1608.47
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	1428.82	384.64	617.44	201.82	224.92
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	1468.87	397.13	630.13	205.78	235.84
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	1565.35	425.25	664.46	217.04	258.60
	13d	Multiply MRTP Quitting MRTP, Dual by 2	1603.18	435.27	681.18	221.91	264.83
	13e	Multiply MRTP Quitting CC Only by 0.0	-3196.36	-926.26	-1176.33	-335.97	-757.80
	13f	Multiply MRTP Quitting CC Only by 0.25	-2073.86	-611.29	-754.95	-211.89	-495.74
	13g	Multiply MRTP Quitting CC Only by 0.5	-1053.80	-327.69	-353.05	-90.27	-282.79
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	1072.58	284.59	462.98	156.57	168.43
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	632.17	154.94	299.95	108.12	69.17
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	176.61	21.98	124.54	53.88	-23.79
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	1097.93	292.79	473.50	157.97	173.67
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	3810.13	1089.81	1541.88	474.23	704.22
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	6646.61	1984.03	2587.11	765.85	1309.63
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	1506.47	407.42	645.29	209.56	244.19
	14e	Multiply Switching to Dual Pcd, Pmd by 5	1696.35	454.76	744.63	242.38	254.58
	14f	Multiply Switching to Dual Pcd, Pmd by 10	2014.83	549.44	866.32	276.84	322.23
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	1518.21	411.39	647.50	211.50	247.83
	14h	Multiply Switching to CC Pmc, Pdc by 5	1434.15	389.88	608.83	200.04	235.39
	14i	Multiply Switching to CC Pmc, Pdc by 10	1309.92	353.63	566.17	185.69	204.43
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	1013.67	269.34	437.69	146.71	159.93
	14k	Multiply Switching from CC Pcm, Pcd by 5	3993.77	1155.06	1590.58	482.26	765.87
	14l	Multiply Switching from CC Pcm, Pcd by 10	6792.30	2029.71	2660.78	782.16	1319.65
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	1515.27	410.23	646.71	211.05	247.28
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	1420.13	385.83	604.12	198.70	231.48
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	1287.38	344.96	560.33	187.10	194.99
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	1498.34	405.62	640.52	209.43	242.77
	14q	Multiply Switching from Dual Pdc, Pdm by 5	1512.64	409.59	646.22	210.81	246.02
	14r	Multiply Switching from Dual Pdc, Pdm by 10	1491.46	404.64	635.66	206.77	244.40
	14s	Multiply Switching to CC Pmc, Pdc by 20	1232.26	331.51	537.56	176.73	186.46
	14t	Multiply Switching to CC Pmc, Pdc by 50	999.69	270.10	435.21	147.75	146.63
	14u	Multiply Switching to CC Pmc, Pdc by 100	664.67	171.10	320.16	109.74	63.67
	14v	Multiply Switching to CC Pmc, Pdc by 150	483.81	118.31	249.06	90.34	26.10
	15	Adjustment for population size	1493.68	402.76	639.75	209.17	242.00

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	1	Basic	2861.66	890.49	1002.70	327.67	640.80
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	2780.61	874.12	964.17	310.58	631.75
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	2928.47	903.39	1035.16	341.67	648.25
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	2369.25	728.28	841.41	275.81	523.74
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	3384.44	1062.20	1171.32	380.43	770.49
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	2813.40	879.96	980.27	317.68	635.49
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	2783.89	874.58	966.24	311.00	632.07
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	2703.29	856.47	929.23	294.93	622.66
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	2728.56	864.35	942.68	297.80	623.72
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	2624.86	845.01	897.51	272.75	609.60
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	2369.01	790.36	780.89	218.82	578.94
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	2229.86	761.36	720.34	187.30	560.85
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	1713.33	643.72	495.87	77.58	496.16
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	2465.76	762.06	866.11	282.07	555.52
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	2385.42	737.11	836.87	276.08	535.36
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	2035.05	618.58	733.45	245.24	437.78
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	1269.26	369.34	488.51	173.05	238.36
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-2546.02	-836.72	-778.20	-202.90	-728.20
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-5952.47	-1863.49	-1924.90	-537.98	-1626.10
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	2731.77	848.15	963.72	314.63	605.27
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	2794.82	869.03	982.53	321.15	622.12
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	2979.69	927.05	1042.59	339.77	670.28
	13d	Multiply MRTP Quitting MRTP, Dual by 2	3064.56	952.12	1074.51	349.25	688.68
	13e	Multiply MRTP Quitting CC Only by 0.0	-3643.34	-1115.69	-1255.61	-375.64	-896.39
	13f	Multiply MRTP Quitting CC Only by 0.25	-2145.98	-675.19	-723.80	-204.31	-542.68
	13g	Multiply MRTP Quitting CC Only by 0.5	-709.59	-246.38	-211.08	-39.96	-212.17
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	2242.89	681.96	807.05	270.13	483.74
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	1694.90	505.16	620.73	212.18	356.83
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	981.13	277.04	380.51	144.10	179.47
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	2232.90	682.97	800.11	267.65	482.18
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	6057.33	1956.82	2084.08	656.60	1359.82
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	9440.68	3178.22	3132.67	943.54	2186.25
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	2853.29	885.31	1008.47	329.87	629.64
	14e	Multiply Switching to Dual Pcd, Pmd by 5	3371.87	1050.15	1197.81	389.32	734.60
	14f	Multiply Switching to Dual Pcd, Pmd by 10	3722.73	1165.32	1323.87	427.20	806.33
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	2879.48	896.21	1008.71	329.46	645.09
	14h	Multiply Switching to CC Pmc, Pdc by 5	2750.74	858.71	952.46	311.57	627.99
	14i	Multiply Switching to CC Pmc, Pdc by 10	2549.80	796.64	882.71	288.19	582.26
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	2121.28	646.38	759.69	255.30	459.91
	14k	Multiply Switching from CC Pcm, Pcd by 5	6176.44	2007.27	2094.81	653.68	1420.67
	14l	Multiply Switching from CC Pcm, Pcd by 10	9555.92	3229.22	3182.09	954.36	2190.25
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	2869.45	892.61	1006.11	328.69	642.03
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	2730.85	852.38	949.14	310.61	618.71
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	2586.35	808.79	893.48	293.18	590.90
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	2864.83	892.23	1002.32	327.38	642.91
	14q	Multiply Switching from Dual Pdc, Pdm by 5	2881.45	896.94	1006.57	328.35	649.58
	14r	Multiply Switching from Dual Pdc, Pdm by 10	2850.41	886.25	995.27	323.67	645.22
	14s	Multiply Switching to CC Pmc, Pdc by 20	2459.40	772.43	844.12	274.71	568.15
	14t	Multiply Switching to CC Pmc, Pdc by 50	2101.64	663.66	708.87	235.56	493.55
	14u	Multiply Switching to CC Pmc, Pdc by 100	1674.53	525.57	576.12	193.23	379.61
	14v	Multiply Switching to CC Pmc, Pdc by 150	1415.55	443.81	487.16	165.45	319.14
	15	Adjustment for population size	2844.51	880.49	1000.45	327.06	636.52

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	1	Basic	16403.40	4507.50	6963.16	2218.76	2713.98
	11a	Multiply Init Pnm, Pnd by 0.5, total init constant	15982.08	4435.82	6745.92	2124.59	2675.75
	11b	Multiply Init Pnm, Pnd by 1.5, total init constant	16737.10	4563.49	7133.23	2295.17	2745.21
	11c	Multiply Re-init Pnm, Pnd by 0.5, tot re-init const	11539.02	3038.14	5251.36	1695.94	1553.57
	11d	Multiply Re-init Pnm, Pnd by 1.5, tot re-init const	21250.25	5968.42	8679.65	2736.49	3865.69
	12a	Multiply MRTP Initiation Pnm, Pnd by 1.5	16145.48	4462.51	6831.74	2160.53	2690.70
	12b	Multiply MRTP Initiation Pnm, Pnd by 2	15983.30	4436.63	6751.10	2121.38	2674.19
	12c	Multiply MRTP Initiation Pnm, Pnd by 3	15540.59	4349.80	6533.11	2025.38	2632.30
	12d	Multiply MRTP Initiation Pnc, Pnm, Pnd by 1.5	15739.19	4397.10	6640.87	2057.80	2643.42
	12e	Multiply MRTP Initiation Pnc, Pnm, Pnd by 2	15136.41	4294.46	6359.22	1905.89	2576.84
	12f	Multiply MRTP Initiation Pnc, Pnm, Pnd by 3	13767.31	4048.33	5696.10	1583.30	2439.58
	12g	Multiply MRTP Initiation Pnc, Pnm, Pnd by 4	12933.00	3898.77	5307.21	1375.81	2351.21
	12h	Multiply MRTP Initiation Pnc, Pnm, Pnd by 8	9537.19	3261.34	3694.20	570.52	2011.13
	12i	Multiply MRTP Re-initiation Pfm, Pfd by 1.5	12754.61	3416.44	5643.75	1816.08	1878.34
	12j	Multiply MRTP Re-initiation Pfm, Pfd by 2	11730.32	3125.22	5235.26	1708.00	1661.84
	12k	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 1.5	7220.66	1753.88	3697.41	1252.00	517.37
	12l	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 2	-492.91	-524.10	931.51	417.19	-1317.50
	12m	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 5	-44782.2	-13204.5	-15653.8	-4462.53	-11461.4
	12n	Multiply MRTP Re-initiation Pfc, Pfm, Pfd by 10	-85004.5	-24123.1	-31301.9	-9148.08	-20431.4
	13a	Multiply MRTP Quitting MRTP, Dual by 0.5	15653.86	4283.93	6706.07	2133.57	2530.29
	13b	Multiply MRTP Quitting MRTP, Dual by 0.75	16059.32	4408.25	6839.38	2178.10	2633.58
	13c	Multiply MRTP Quitting MRTP, Dual by 1.5	17109.94	4715.27	7219.71	2298.89	2876.07
	13d	Multiply MRTP Quitting MRTP, Dual by 2	17588.29	4848.15	7417.18	2356.55	2966.41
	13e	Multiply MRTP Quitting CC Only by 0.0	-36006.1	-10225.1	-13590.9	-4078.48	-8111.59
	13f	Multiply MRTP Quitting CC Only by 0.25	-23413.0	-6760.06	-8691.39	-2567.34	-5394.15
	13g	Multiply MRTP Quitting CC Only by 0.5	-11939.2	-3572.58	-4175.59	-1163.94	-3027.07
	13h	Multiply MRTP Quitting CC by 0.5, MRTP, Dual by 1.5	11487.57	3077.49	5035.04	1649.04	1726.00
	13i	Multiply MRTP Quitting CC by 0.8, MRTP, Dual by 2.0	6795.73	1739.55	3195.64	1084.95	775.59
	13j	Multiply MRTP Quitting CC by 0.7, MRTP, Dual by 2.5	1375.47	162.16	1102.54	457.64	-346.87
	14a	Multiply Switching to MRTP Pcm, Pdm by 0.5	11734.71	3168.95	5102.09	1669.78	1793.88
	14b	Multiply Switching to MRTP Pcm, Pdm by 5	41476.28	11816.71	16926.68	5231.14	7501.75
	14c	Multiply Switching to MRTP Pcm, Pdm by 10	72972.68	21511.50	28827.63	8695.45	13938.10
	14d	Multiply Switching to Dual Pcd, Pmd by 0.5	16390.25	4487.06	6997.41	2230.33	2675.45
	14e	Multiply Switching to Dual Pcd, Pmd by 5	18592.01	5062.38	8075.28	2572.05	2882.30
	14f	Multiply Switching to Dual Pcd, Pmd by 10	21882.61	6013.58	9433.58	2961.89	3473.56
	14g	Multiply Switching to CC Pmc, Pdc by 0.5	16599.38	4565.44	7032.13	2242.04	2759.78
	14h	Multiply Switching to CC Pmc, Pdc by 5	15187.17	4175.40	6467.36	2071.10	2473.32
	14i	Multiply Switching to CC Pmc, Pdc by 10	13904.70	3803.33	6008.98	1916.70	2175.68
	14j	Multiply Switching from CC Pcm, Pcd by 0.5	10784.69	2899.07	4710.17	1549.38	1626.08
	14k	Multiply Switching from CC Pcm, Pcd by 5	43444.12	12489.90	17485.34	5375.45	8093.42
	14l	Multiply Switching from CC Pcm, Pcd by 10	75000.56	22075.65	29882.47	8963.68	14078.76
	14m	Multiply Switching from MRTP Pmc, Pmd by 0.5	16516.41	4539.53	7002.08	2232.33	2742.47
	14n	Multiply Switching from MRTP Pmc, Pmd by 5	15078.31	4147.38	6428.62	2055.18	2447.13
	14o	Multiply Switching from MRTP Pmc, Pmd by 10	13692.93	3748.45	5913.45	1898.09	2132.94
	14p	Multiply Switching from Dual Pdc, Pdm by 0.5	16432.70	4519.96	6967.09	2219.93	2725.73
	14q	Multiply Switching from Dual Pdc, Pdm by 5	16505.54	4535.84	7000.25	2231.33	2738.13
	14r	Multiply Switching from Dual Pdc, Pdm by 10	16386.34	4505.79	6938.16	2207.99	2734.40
	14s	Multiply Switching to CC Pmc, Pdc by 20	13243.22	3629.25	5736.76	1825.85	2051.37
	14t	Multiply Switching to CC Pmc, Pdc by 50	10475.51	2874.47	4587.12	1483.07	1530.85
	14u	Multiply Switching to CC Pmc, Pdc by 100	6823.23	1796.12	3300.35	1066.74	660.02
	14v	Multiply Switching to CC Pmc, Pdc by 150	4727.07	1182.62	2502.22	831.47	210.77
	15	Adjustment for population size	16348.53	4474.97	6954.18	2215.96	2703.41

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1995	1	Basic	119.99	21.96	65.88	20.96	11.17
	16a	All smokers become quitters	8874.96	2219.40	4133.06	1256.31	1266.19
	16b	All CC smokers become MRTP	6767.47	1682.52	3134.27	973.74	976.94
	16c	Whole population become MRTP	-461.13	-238.28	48.30	22.88	-294.03
	16d	CC only switchers become quitters	3819.25	916.62	1783.87	570.03	548.73
	17a	Alternative 1: LLLL	1099.05	261.18	507.16	168.85	161.86
	17b	Alternative 2: LLLS	1078.90	255.56	499.46	166.19	157.69
	17c	Alternative 3: LLSL	1023.30	245.03	468.91	157.07	152.29
	17d	Alternative 4: LLSS	993.87	236.58	458.54	153.27	145.48
	17e	Alternative 5: LSLL	118.69	25.05	59.41	18.02	16.20
	17f	Alternative 6: LSLS	106.26	21.76	54.16	16.27	14.07
	17g	Alternative 7: LSSL	87.90	17.38	46.88	12.91	10.73
	17h	Alternative 8: LSSS	74.32	13.42	42.14	11.25	7.51
	17i	Alternative 9: SLLL	570.89	134.42	266.17	88.99	81.31
	17j	Alternative 10: SLLS	518.41	120.34	245.33	81.80	70.95
	17k	Alternative 11: SLSL	545.73	129.84	252.10	84.51	79.28
	17l	Alternative 12: SLSS	477.91	111.29	226.21	75.56	64.85
	17o	Alternative 13: SSLL	-5.40	-7.58	9.18	0.81	-7.80
	17p	Alternative 14: SSLS	-33.95	-15.28	-2.10	-3.26	-13.32
	17q	Alternative 15: SSSL	-25.36	-12.58	1.39	-2.79	-11.37
	17r	Alternative 16: SSSS	-52.37	-20.38	-8.13	-6.07	-17.79
	18a	Alternative 1: LLLL	271.12	60.23	130.26	42.25	38.39
	18b	Alternative 2: LLLS	258.90	56.91	125.19	40.59	36.21
	18c	Alternative 3: LLSL	270.19	60.06	129.82	42.10	38.21
	18d	Alternative 4: LLSS	258.76	57.04	124.81	40.59	36.32
	18e	Alternative 5: LSLL	118.69	25.05	59.41	18.02	16.20
	18f	Alternative 6: LSLS	106.26	21.76	54.16	16.27	14.07
	18g	Alternative 7: LSSL	118.81	25.13	59.45	18.01	16.22
	18h	Alternative 8: LSSS	107.03	22.10	54.18	16.39	14.36
	18i	Alternative 9: SLLL	111.90	19.05	63.67	19.85	9.34
	18j	Alternative 10: SLLS	84.12	11.57	52.49	15.92	4.13
	18k	Alternative 11: SLSL	111.31	18.68	63.97	19.87	8.79
	18l	Alternative 12: SLSS	86.69	12.38	52.99	16.59	4.73
	18o	Alternative 13: SSLL	25.58	0.56	21.71	5.11	-1.81
	18p	Alternative 14: SSLS	1.04	-6.04	11.94	1.62	-6.48
	18q	Alternative 15: SSSL	28.08	1.07	23.16	5.49	-1.63
	18r	Alternative 16: SSSS	6.10	-4.49	13.29	2.51	-5.21
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	-37.05	-19.70	2.29	-2.29	-17.36
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	-153.10	-51.18	-42.29	-17.26	-42.38
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	-263.81	-81.47	-87.17	-30.24	-64.93
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-317.24	-93.55	-114.57	-37.78	-71.33
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-446.73	-128.71	-163.11	-55.98	-98.94

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2000	1	Basic	512.36	103.68	276.77	86.59	45.33
	16a	All smokers become quitters	18487.77	5421.59	7804.02	2140.85	3121.32
	16b	All CC smokers become MRTP	13733.45	3903.48	5846.23	1636.94	2346.80
	16c	Whole population become MRTP	284.16	-36.44	399.62	163.57	-242.59
	16d	CC only switchers become quitters	11202.32	2987.84	4975.54	1431.10	1807.85
	17a	Alternative 1: LLLL	3783.51	942.71	1713.70	526.01	601.09
	17b	Alternative 2: LLLS	3655.70	906.95	1664.14	510.55	574.05
	17c	Alternative 3: LLSL	3371.23	843.58	1516.83	470.72	540.10
	17d	Alternative 4: LLSS	3265.54	814.16	1476.29	458.52	516.57
	17e	Alternative 5: LSLL	353.19	64.40	202.98	65.94	19.88
	17f	Alternative 6: LSLS	267.67	42.50	168.95	54.37	1.85
	17g	Alternative 7: LSSL	221.48	27.61	154.84	52.76	-13.73
	17h	Alternative 8: LSSS	156.18	10.98	128.29	43.97	-27.05
	17i	Alternative 9: SLLL	2067.20	507.04	943.75	297.61	318.79
	17j	Alternative 10: SLLS	1681.45	404.61	786.73	249.46	240.65
	17k	Alternative 11: SLSL	1857.18	457.56	842.62	269.60	287.40
	17l	Alternative 12: SLSS	1515.91	367.29	703.86	227.39	217.37
	17o	Alternative 13: SSLL	0.96	-27.67	60.39	21.18	-52.94
	17p	Alternative 14: SSLS	-161.55	-70.26	-2.84	0.86	-89.31
	17q	Alternative 15: SSSL	-85.10	-53.04	32.04	14.05	-78.15
	17r	Alternative 16: SSSS	-207.29	-84.41	-16.92	-1.80	-104.16
	18a	Alternative 1: LLLL	982.62	217.06	491.09	153.07	121.40
	18b	Alternative 2: LLLS	899.16	195.39	458.27	142.23	103.27
	18c	Alternative 3: LLSL	959.74	211.67	480.21	149.37	118.50
	18d	Alternative 4: LLSS	878.09	191.11	446.64	138.47	101.87
	18e	Alternative 5: LSLL	353.19	64.40	202.98	65.94	19.88
	18f	Alternative 6: LSLS	267.67	42.50	168.95	54.37	1.85
	18g	Alternative 7: LSSL	341.95	61.49	198.02	64.28	18.17
	18h	Alternative 8: LSSS	260.19	41.25	163.61	52.95	2.37
	18i	Alternative 9: SLLL	533.03	100.91	302.58	95.21	34.32
	18j	Alternative 10: SLLS	366.66	57.18	237.78	74.58	-2.87
	18k	Alternative 11: SLSL	516.72	96.90	295.93	92.41	31.48
	18l	Alternative 12: SLSS	357.23	57.15	229.01	71.11	-0.04
	18o	Alternative 13: SSLL	88.66	-4.79	95.90	32.34	-34.79
	18p	Alternative 14: SSLS	-54.76	-42.27	39.91	14.20	-66.61
	18q	Alternative 15: SSSL	87.24	-5.63	96.17	32.24	-35.55
	18r	Alternative 16: SSSS	-48.70	-38.92	37.66	13.56	-61.00
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	51.44	-24.59	99.26	34.89	-58.11
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	-248.77	-98.20	-31.99	-5.72	-112.87
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	-535.86	-174.03	-148.69	-39.09	-174.04
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-828.40	-247.37	-267.68	-77.63	-235.73
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-1123.82	-328.63	-379.95	-109.64	-305.60

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2005	1	Basic	1497.71	405.16	640.57	209.43	242.55
	16a	All smokers become quitters	26101.77	9605.75	8925.03	2431.38	5139.60
	16b	All CC smokers become MRTP	18988.65	6601.53	6695.91	1859.26	3831.95
	16c	Whole population become MRTP	1378.90	390.18	638.66	233.24	116.82
	16d	CC only switchers become quitters	18224.53	6080.63	6741.25	1878.29	3524.36
	17a	Alternative 1: LLLL	7543.51	2259.76	2935.34	861.85	1486.56
	17b	Alternative 2: LLLS	7256.81	2172.46	2825.79	831.29	1427.26
	17c	Alternative 3: LLSL	6671.49	2003.18	2565.91	755.45	1346.96
	17d	Alternative 4: LLSS	6435.07	1934.62	2468.20	727.13	1305.11
	17e	Alternative 5: LSLL	1178.18	312.26	511.42	170.30	184.19
	17f	Alternative 6: LSLS	1005.07	261.80	449.39	152.18	141.71
	17g	Alternative 7: LSSL	999.54	265.84	433.41	145.06	155.23
	17h	Alternative 8: LSSS	847.43	222.37	376.84	128.12	120.11
	17i	Alternative 9: SLLL	4426.65	1299.91	1719.05	514.51	893.18
	17j	Alternative 10: SLLS	3480.47	1027.70	1341.69	404.23	706.85
	17k	Alternative 11: SLSL	4015.75	1187.39	1537.67	459.64	831.05
	17l	Alternative 12: SLSS	3165.16	945.40	1190.92	357.15	671.69
	17o	Alternative 13: SSLL	646.30	161.69	303.44	105.93	75.24
	17p	Alternative 14: SSLS	315.65	67.82	180.88	69.52	-2.57
	17q	Alternative 15: SSSL	547.79	137.39	259.37	90.40	60.63
	17r	Alternative 16: SSSS	263.10	57.56	151.57	57.96	-3.99
	18a	Alternative 1: LLLL	2349.39	646.59	991.05	311.83	399.93
	18b	Alternative 2: LLLS	2187.19	600.39	929.64	293.39	363.77
	18c	Alternative 3: LLSL	2254.48	619.35	955.36	299.87	379.91
	18d	Alternative 4: LLSS	2087.30	572.44	890.25	280.94	343.68
	18e	Alternative 5: LSLL	1178.18	312.26	511.42	170.30	184.19
	18f	Alternative 6: LSLS	1005.07	261.80	449.39	152.18	141.71
	18g	Alternative 7: LSSL	1125.29	297.48	491.50	163.93	172.38
	18h	Alternative 8: LSSS	953.32	248.13	427.53	145.27	132.40
	18i	Alternative 9: SLLL	1607.76	431.88	701.16	226.44	248.28
	18j	Alternative 10: SLLS	1269.17	336.77	570.48	187.07	174.85
	18k	Alternative 11: SLSL	1528.44	408.82	673.67	216.88	229.07
	18l	Alternative 12: SLSS	1177.03	310.80	535.51	176.04	154.68
	18o	Alternative 13: SSLL	778.33	198.99	355.05	121.94	102.35
	18p	Alternative 14: SSLS	486.45	115.75	247.38	90.05	33.28
	18q	Alternative 15: SSSL	742.27	188.95	342.49	117.55	93.27
	18r	Alternative 16: SSSS	439.49	103.69	226.85	83.47	25.48
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	825.37	201.90	398.26	141.72	83.49
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	340.01	65.05	199.09	82.18	-6.31
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	-108.74	-61.18	23.10	27.51	-98.17
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-552.19	-194.92	-128.15	-14.87	-214.25
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-962.82	-312.85	-278.81	-58.02	-313.14

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
2009	1	Basic	2861.66	890.49	1002.70	327.67	640.80
	16a	All smokers become quitters	31612.67	13386.14	8737.76	2489.97	6998.79
	16b	All CC smokers become MRTP	22612.46	8891.68	6589.28	1911.20	5220.31
	16c	Whole population become MRTP	2035.77	686.37	691.27	238.45	419.68
	16d	CC only switchers become quitters	23108.30	8915.59	7076.30	2026.91	5089.50
	17a	Alternative 1: LLLL	10689.59	3611.40	3587.09	1079.45	2411.65
	17b	Alternative 2: LLLS	10186.24	3438.25	3412.92	1030.47	2304.59
	17c	Alternative 3: LLSL	9394.08	3158.37	3123.91	940.74	2171.06
	17d	Alternative 4: LLSS	8939.90	3001.97	2969.35	895.19	2073.38
	17e	Alternative 5: LSLL	2327.53	706.52	845.61	282.30	493.09
	17f	Alternative 6: LSLS	2089.23	635.57	757.00	254.79	441.88
	17g	Alternative 7: LSSL	2023.29	620.41	718.81	239.32	444.75
	17h	Alternative 8: LSSS	1784.48	549.01	631.72	212.98	390.78
	17i	Alternative 9: SLLL	6454.74	2107.17	2182.62	664.70	1500.25
	17j	Alternative 10: SLLS	4781.28	1570.53	1580.56	485.34	1144.86
	17k	Alternative 11: SLSL	5788.91	1895.42	1928.85	585.83	1378.82
	17l	Alternative 12: SLSS	4282.67	1409.51	1394.24	423.73	1055.19
	17o	Alternative 13: SSLL	1645.30	494.65	601.52	203.75	345.37
	17p	Alternative 14: SSLS	1136.68	344.66	412.64	144.78	234.59
	17q	Alternative 15: SSSL	1451.91	442.59	516.88	173.26	319.18
	17r	Alternative 16: SSSS	1007.94	310.44	354.94	123.49	219.08
	18a	Alternative 1: LLLL	4087.33	1272.85	1468.00	467.50	878.98
	18b	Alternative 2: LLLS	3844.73	1200.05	1375.28	439.50	829.89
	18c	Alternative 3: LLSL	3968.08	1234.20	1427.66	453.86	852.36
	18d	Alternative 4: LLSS	3704.62	1155.84	1325.95	422.97	799.86
	18e	Alternative 5: LSLL	2327.53	706.52	845.61	282.30	493.09
	18f	Alternative 6: LSLS	2089.23	635.57	757.00	254.79	441.88
	18g	Alternative 7: LSSL	2268.34	689.31	822.97	274.42	481.65
	18h	Alternative 8: LSSS	2019.54	614.56	731.64	246.33	427.02
	18i	Alternative 9: SLLL	3123.91	962.38	1130.45	363.15	667.93
	18j	Alternative 10: SLLS	2557.17	791.66	919.78	298.09	547.64
	18k	Alternative 11: SLSL	3036.57	935.38	1099.39	352.71	649.09
	18l	Alternative 12: SLSS	2442.63	756.76	877.56	283.88	524.42
	18o	Alternative 13: SSLL	1814.14	546.90	661.93	223.25	382.06
	18p	Alternative 14: SSLS	1371.58	416.07	497.54	172.02	285.95
	18q	Alternative 15: SSSL	1775.73	535.95	647.64	217.70	374.44
	18r	Alternative 16: SSSS	1312.10	397.82	476.48	164.93	272.87
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	2026.30	614.31	740.58	249.47	421.94
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	1293.98	380.40	486.19	166.63	260.76
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	619.37	169.07	256.08	94.92	99.31
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	156.88	25.92	91.54	42.59	-3.17
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-317.86	-119.94	-69.82	-3.38	-124.72

Appendix 20 Summary results for reductions in mortality

Simulation and Sensitivity Analysis

Country: US (United States), Sex: F (Females), Year of start of process: 1990

			drop in deaths				
Period	**Appendix**	**Description**	**4 Diseases**	**Lung Ca**	**IHD**	**Stroke**	**COPD**
1990 to 2009	1	Basic	16403.40	4507.50	6963.16	2218.76	2713.98
	16a	All smokers become quitters	333026.6	113984.5	123015.5	34481.36	61545.19
	16b	All CC smokers become MRTP	244615.2	79471.37	92533.44	26458.04	46152.32
	16c	Whole population become MRTP	10500.48	2090.01	7058.88	2515.49	-1163.90
	16d	CC only switchers become quitters	212548.4	68128.06	81690.94	23408.68	39320.76
	17a	Alternative 1: LLLL	83071.17	24539.50	32878.29	9873.18	15780.20
	17b	Alternative 2: LLLS	79888.33	23555.20	31676.52	9527.17	15129.45
	17c	Alternative 3: LLSL	73677.95	21765.39	28915.28	8732.41	14264.87
	17d	Alternative 4: LLSS	70838.83	20898.74	27831.88	8413.54	13694.67
	17e	Alternative 5: LSLL	13100.44	3529.03	5673.95	1838.98	2058.49
	17f	Alternative 6: LSLS	11296.08	3017.21	4991.55	1627.90	1659.42
	17g	Alternative 7: LSSL	10705.39	2874.78	4713.19	1528.79	1588.63
	17h	Alternative 8: LSSS	9070.35	2409.72	4093.28	1339.17	1228.19
	17i	Alternative 9: SLLL	47881.08	13886.21	18956.78	5790.57	9247.51
	17j	Alternative 10: SLLS	37556.17	10854.48	14929.64	4591.59	7180.46
	17k	Alternative 11: SLSL	43277.82	12622.28	16926.31	5191.64	8537.60
	17l	Alternative 12: SLSS	33835.79	9849.40	13246.96	4084.48	6654.95
	17o	Alternative 13: SSLL	6548.17	1681.29	3121.07	1034.87	710.94
	17p	Alternative 14: SSLS	2929.13	662.43	1753.12	613.28	-99.70
	17q	Alternative 15: SSSL	5073.34	1284.72	2538.17	837.12	413.32
	17r	Alternative 16: SSSS	1982.77	412.11	1365.41	478.97	-273.72
	18a	Alternative 1: LLLL	26445.09	7309.28	11150.50	3462.38	4522.93
	18b	Alternative 2: LLLS	24677.54	6811.93	10460.45	3251.26	4153.90
	18c	Alternative 3: LLSL	25553.98	7045.89	10814.61	3353.68	4339.80
	18d	Alternative 4: LLSS	23750.98	6546.56	10090.46	3135.90	3978.06
	18e	Alternative 5: LSLL	13100.44	3529.03	5673.95	1838.98	2058.49
	18f	Alternative 6: LSLS	11296.08	3017.21	4991.55	1627.90	1659.42
	18g	Alternative 7: LSSL	12641.15	3397.34	5500.02	1781.52	1962.26
	18h	Alternative 8: LSSS	10835.57	2890.78	4800.21	1567.18	1577.40
	18i	Alternative 9: SLLL	17707.44	4797.84	7726.10	2421.39	2762.11
	18j	Alternative 10: SLLS	13884.83	3717.51	6253.34	1969.07	1944.91
	18k	Alternative 11: SLSL	16987.12	4584.50	7469.45	2336.20	2596.97
	18l	Alternative 12: SLSS	13135.03	3509.57	5941.86	1872.34	1811.25
	18o	Alternative 13: SSLL	8175.66	2139.13	3755.21	1235.01	1046.31
	18p	Alternative 14: SSLS	5003.06	1244.25	2555.92	865.52	337.37
	18q	Alternative 15: SSSL	7906.25	2058.51	3666.83	1202.26	978.66
	18r	Alternative 16: SSSS	4684.52	1162.27	2404.97	818.08	299.20
	19a	G:0.82, Reinit CC:x1.1, Quit CC:x0.964	8302.69	2083.62	4036.28	1352.60	830.20
	19b	G:1.04, Reinit CC:x1.2, Quit CC:x0.928	2122.63	317.49	1622.51	604.74	-422.10
	19c	G:1.26, Reinit CC:x1.3, Quit CC:x0.892	-3432.60	-1259.67	-519.87	-49.82	-1603.24
	19d	G:1.48, Reinit CC:x1.4, Quit CC:x0.856	-8283.76	-2648.17	-2335.93	-601.59	-2698.07
	19e	G:1.70, Reinit CC:x1.5, Quit CC:x0.820	-13138.6	-4023.89	-4157.24	-1149.29	-3808.18